



MAFF



MOWRAM



MRD

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)

Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementation Consultants

THIRD QUARTERLY PROGRESS REPORT

JULY – SEPTEMBER 2021

Prepared by: PMU – MAFF

15 October 2021

ACRONYMS AND ABBREVIATIONS

AC	Agricultural Cooperative
ADB	Asian Development Bank
AESA	Agri-consulting Europe S. A
ASEAN	Association of Southeast Asian Nations
BER	Bid Evaluation Report
BPCR	Borrower's Project Completion Report
BoQ	Bill of Quantities
CAMGAP	Cambodia Good Agricultural Practice
CARDI	Cambodia Agricultural Research and Development Institute
CAVAC	Cambodia Agricultural Value Chain Program
CFAVC	Climate Friendly Agribusiness Value Chains Sector Project
CGF	Climate Green Fund
CRM	Certified reference materials
CSA	Climate Smart Agriculture
CS1	Project Implementation Consultants (PIC)
CS2	Capacity Building and Climate Smart Agribusiness Consulting Team
CS4	Information Communication Technology Platform
CS5	Feasibility Studies and Detailed Engineering Design Consulting Firm
CSR	Corporate Social Responsibility
DACP	Department of Agricultural Cooperative Promotion
DAEng	Department of Agricultural Engineering
DAL	Department of Agricultural Legislation
DAM	Department of Agricultural Machinery
DDR	Due Diligence Report
DED	Detailed Engineering Design
DMF	Design and Monitoring Framework
DoPS	Department of Planning and Statistic
DRP	Draft Resettlement Plan
DTL	Deputy Team Leader
EA	Executing Agency
EARF	Environmental Assessment and Reviewing Framework
ECC	Environmental Code of Conduct
EIRR	Economic Internal Rate of Return
ELC	Economic Land Concessions
EMP	Environmental Management Plan
FAO	Food and Agriculture Organization
FGD	Focus Group Discussion
FSR	Feasibility Study Report
FWUC	Farmer Water User Community
FWUG	Farmer Water User Groups

GAP	Gender Action Plan
GCF	Green Climate Fund
GDA	General Directorate of Agriculture
GDAHP	General Directorate of Animal Health and Production
GDR	General Department of Resettlement
GFP	Gender Focal Point
GHG	Greenhouse Gases
GMO	Genetically Modified Organism
GMS	Greater Mekong Subregion
GRM	Grievance Redress Mechanism
GSA	Climate Smart Agriculture
ha	Hectwere
IA	Implementing Agency
ICT	Information and Communication Technology
IEE	Initial Environmental Examination
IMC	Inter-Ministerial Committee
IRC	Inter-Ministerial Resettlement Committee
IRRI	International Rice Research Institute
ISO	International Standards Organization
ITP	Independent Third Party
KCM	Kampong Cham province
Km	Kilometer
KW	Kilo-watt
KPT	Kampot province
LARF	Land Acquisition and Resettlement Framework
M&E	Monitoring and Evaluation
MAFF	Ministry of Agriculture, Forestry, and Fisheries
MC	Main Canal
MEF	Ministry of Economics and Finance
MFI	Micro-finance Institution
MIH	Ministry of Industry and Handicrafts
MISTI	Ministry of Industry, Science, Technology and Innovation
MOC	Ministry of Commerce
MOE	Ministry of Environment
MOLMUPC	Ministry of Land Management, Urban Planning and Construction
MOU	Memorandum of Understanding
MOWRAM	Ministry of Water Resources and Meteorology
MRD	Ministry of Rural Development
NAL	National Agricultural Laboratory
NBP	National Biodigester Program
NCB	National Competitive Bidding

NCO	National Laboratory Coordinator
NGO	Non-government Organization
NSC	National Standard Council
NTD	National Technical Department
O&M	Operation and Maintenance
PADC	Provincial Agricultural Development Center
PAM	Project Administration Manual
PBL	Plant Biotechnology Laboratory
PCR	Polymerase chain reaction
PD	National Project Director
PDAFF	Provincial Departments of Agriculture, Forestry and Fisheries
PDRD	Provincial Department of Rural Development
PDWRAM	Provincial Department of Water Resources and Meteorology
PEW	Provincial Engineering Workshop
PIC	Project Implementation Consultants
PIU	Project Implementation Unit
PM	National Project Manager
PMU	Project Management Unit
PPIU	Provincial Project Implementation Unit
PPC	Project Preparation Consultant
PPMS	Project Performance and Monitoring System
PPP	Public Private Partnership
PPTA	Project Preparation Technical Assistance
PV	Photo-voltaic
QPR	Quarterly Progress Report
RDC	Resources Development Consultants
REDD+	Reducing emissions from deforestation and forest degradation in developing countries, and the role of conservation, sustainable management of forests, and enhancement of forest carbon stocks in developing countries
RGC	Royal Government of Cambodia
RF	Resettlement Framework
RP	Resettlement Plan
SEO	Social and Environmental Officer
SRP	Sustainable Rice Platform
SWOT	Strength, Weakness, Opportunity and Threat
TA	Technical Assistance
TAK	Takeo province
TBK	Tbong Khmum province
TC	Technical Committee
TL	Team Leader
TOR	Terms of Reference

TOT	Training of Trainers
UNFCCC	United Nations Framework Convention on Climate Change
WFN	Women Farmers' Network
WG	Working Group

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Executing Agency's Project Progress Report

Reporting Period	Q3/2021 (July – SEPTEMBER 2021)	Date of Submission: 15 October 2021
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I. Introduction and Basic Data

1. This is the third quarterly report 2021 (QR 3 2021) of the Climate Friendly Agri-business Value Chain Sector (CFAVC) Project, funded by the Asian Development Bank under loan No. 3661-CAM (COL)/8346-CAM (EF) and grant number No. 0579-CAM (EF) and the Royal Government of Cambodia (RGC). It covers the period from 1 July to 30 September 2021.
2. The content of the progress report includes sufficient information in summary form to be useful to ADB as a funding agency. The purpose of the report is to enable the borrower, EA, and ADB to monitor the latest progress, become aware of current problems, and assess whether the project's immediate objectives will be met.

I.1. Basic Project Information

3. The brief project information such as project name, project title, executing agency and implementing agency are shown in table 1.

Table 1: Project Information

Project Number	48409-002 Loan No. 3661-CAM (COL) / 8346-CAM (EF) Grant No. 0579 - CAM (EF)
Project Title	Climate Friendly Agri-business Value Chains Sector Project (CFAVC)
Recipient	Royal Government of Cambodia
Executing Agency	Ministry of Economy and Finance; Ministry of Agriculture, Forestry and Fisheries;
Implementing Agency	Cambodia Agricultural Research and Development Institute (CARDI) General Directorate of Animal Health and Production (GDAHP) General Directorate of Agriculture (GDA) General Department Directorate of Technical Affairs of MOWRAM General Directorate of Technical Affairs of MRD

4. The project is estimated to cost a total of US\$141.04 million, among these costs ADB will provide US\$130 million comprising 90 million from ADB's ordinary capital resources (in the form of a Concessionary Loan) and US\$40 million from the Green Climate Fund (10 million in the form of a loan and 30 million as a grant). RGC will finance 7.38 million to cover the costs for activities as described in table 2. Contribution from the beneficiaries of US\$3.66 million equivalent can be in-kind or in cashes for the biogas plant and compost huts (PAM, par 18, p.15), more details see table 2.

I.2. Estimated Project Cost and Financing Plan

5. The indicative financial plan is presented in table 2, which comprise of ADB's concessionary loan of 63.8%, Green Climate Fund 28.4%, RGC 5.2% and beneficiaries 2.6%.

Table 2. Indicative financing plan (in millions of US\$)

Financing sources	Loan	Grants	Total	Share of total (%)	Remarks
ADB's concessionary loan	90		90	63.8 %	ADB's ordinary capital resources (in the form of a Concessionary Loan)

Green Climate Fund	10	30	40	28.4 %	
RGC		7.38	7.38	5.2 %	(i) finance biogas plants and composts huts (ii) pay salaries of government staff working for the project; (iii) cover cost of land acquisition and resettlement; (iv) monitor (including external monitoring for safeguards and external audit and (v) pay taxes and duties for goods, equipment , materials , surveys and services through exemptions.
Beneficiaries		3.66	3.66	2.6 %	equivalent can be in-kind or in cashes for the biogas plant and compost huts (PAM, par 18, p.15)
Total	100	41.04	141.04	100 %	

I.3. Project Approval, Effective and Closing Dates

6. The project approval date, LOA sign date, project effective date and closing date are presented in table 3.

Table 3: Project implementation arrangement

Approval Date	29 June 2018	Elapsed Project Period (original)	32,82% ¹
LOA Signing Date	06 Jun 2018	Closing Date (revised)	Not applicable
Effective Date	01 Oct 2018	Elapsed Project Period (revised)	Not applicable
Closing Date (original)	31 March 2025	Date of Last ADB Review Mission	20 - 30 Jan 2020

II. PROJECT PROGRESS

II.1. Output 1: Critical Agribusiness Value Chain Infrastructure Improved and Made Climate Resilient,

II.1.1. Output 1.a: Rehabilitation of Irrigation Schemes

7. Work achievements under MoWRAM as of reporting period are as following: The construction works for the Tuol Pring reservoir irrigation subproject under contract package number: MOWRAM-CFAVC-TBM-CW13.1 has been started with the progress that bush clearance was fully done (Annex 1.1 of Annex 1), figure 1 shows irrigation progress. The feasibility study and detailed engineering design have been progressed about 20% for the Takouch irrigation subproject under contract package number MOWRAM-CFAVC-KPT-CW12.1 (Annex 1.1 of Annex 1).



Figure 1: MoWRAM construction work progress

¹ The project mobilized from Sep and Nov 2019 and the project closing date is Mar 2025, which is equivalent to 67 months, and the elapsed time to date as of June 2021 is 22 months, the percentage elapsed is $22/67 \times 100 = 32.8\%$

8. The irrigation monitoring progress is shown in Annex 1.2 of Annex 1, and the Annex presents the status of tendering and safeguards and the estimated cost for each subproject.

II.1.2. Output 1.b.1: 800 on-farm rainwater harvesting ponds commissioned

9. Awaiting RGC decision for the responsible ministry.

II.1.3. Output 1.b.2: 15 drip irrigation demonstration

10. Awaiting RGC decision for the responsible ministry.

II.1.4. Output 1.c: At least 250 km of farm roads upgraded to climate resilient standards

11. Work achievements under MRD as of reporting period are as following:

- Twenty road subprojects under contract package numbers as specified in table 4 and in Annex 2.1, the topographical surveys have been progressed about 80% completed. At the same time, the feasibility studies have been progressed about 70% completed and the detailed engineering designs have been progressed about 35% completed (Annex 2.1 of Annex 2), figure 2 presents the public consultation during road subproject design process.
- For the twenty road subprojects planned in 2021, their detailed engineering design during the reporting period have been progressed 35% (Annex 2.1, of Annex 2).
- The road monitoring progress is shown in Annex 2.2 of Annex 2, the Annex presents the status of tendering and safeguards and the estimated cost for each subproject.



Figure 2: Public consultation for road subproject design

Table 4: Road design progress

	Package No.-5	Package No.-6	Package No.-7	Package No.8	Package No.-9	Package No.-10	Package No.-11	Package No.-12	Total
Road Length (KM)	9.14	13.15	16.48	12.65	13.34	12.85	12.97	9.43	100.01
Number of subprojects under each package	2.00	2.00	3.00	2.00	2.00	3.00	4.00	2.00	20.00
Name of Subprojects	1. Samaki Amatak AC (3.83 km), 2. Sen Han Cham Reoun Phal AC	1. Samaky Trapeang Kralanh AC (8.25 km), 2. Bak Sey Rik Ray AC (4.90 km)	1. Sammaky Meanchey AC (8.15 km), 2. Lngieng Meamc hey AC (5.50)	1. Sammakybaray Angdong AC (7.77 km), 2. Ponluk Thmey AC	1. Ratanak Pulrath Samaki AC (6.44 km), 2. Preykrang Meanri	1. Tra Peang Sra Nge AC (4.05 km), 2. Samaky Tra Peang Chork AC (3.40 km),	1. Samaky Kak AC (4.90 km), 2. Porpel Meanchey AC (2.82 km), 3. Arkpirak	1. Akpiwat Moulthanyoung AC (3.93 km), 2. Akpiwat Kaksek	

	(5.31 km)		km), 3. Baitong Korksro k AC (2.83 km)	(4.88 km)	t AC (6.90 km)	3. Kampeng Sok Sen Sambo AC (5.40 km)	Ponhear Krek Dambae AC (1.45 km), 4. Ponhea Kraek Rung Roeung AC (3.80 km)	or AC (5.50 km)	
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II.1.5. Output 1.d: 80 agricultural cooperatives have integrated adaptation measures

12. The project is planned to support 80 ACs with the construction of warehouses, see figure 3. The annual schedule for the AC construction supports are presented in figure 4 and could be explained as following: 20 AC warehouses were planned in 2020 for project support, however their constructions have been carried over to 2021. And the actual construction works for these AC warehouse have been started on 23 September 2021, currently their constructions are in progress. More details on activity progress under MAFF are shown in Annex 3.



Figure 3: AC Warehouse construction work progress

13. During 2021, another 35 ACs warehouses are planned for project support, figure 4, their design and the BoQ have been completed. The bidding document for these 35 AC warehouses were drafted and were split into two packages, one package covering two provinces of Takeo and Kampot and another one package covering two provinces of Tbong Khmum and Kampong Cham. The DDR preparation for these 35 AC warehouses are also in progress. The actual construction works of the 35 AC warehouses will be carried over to 2022.

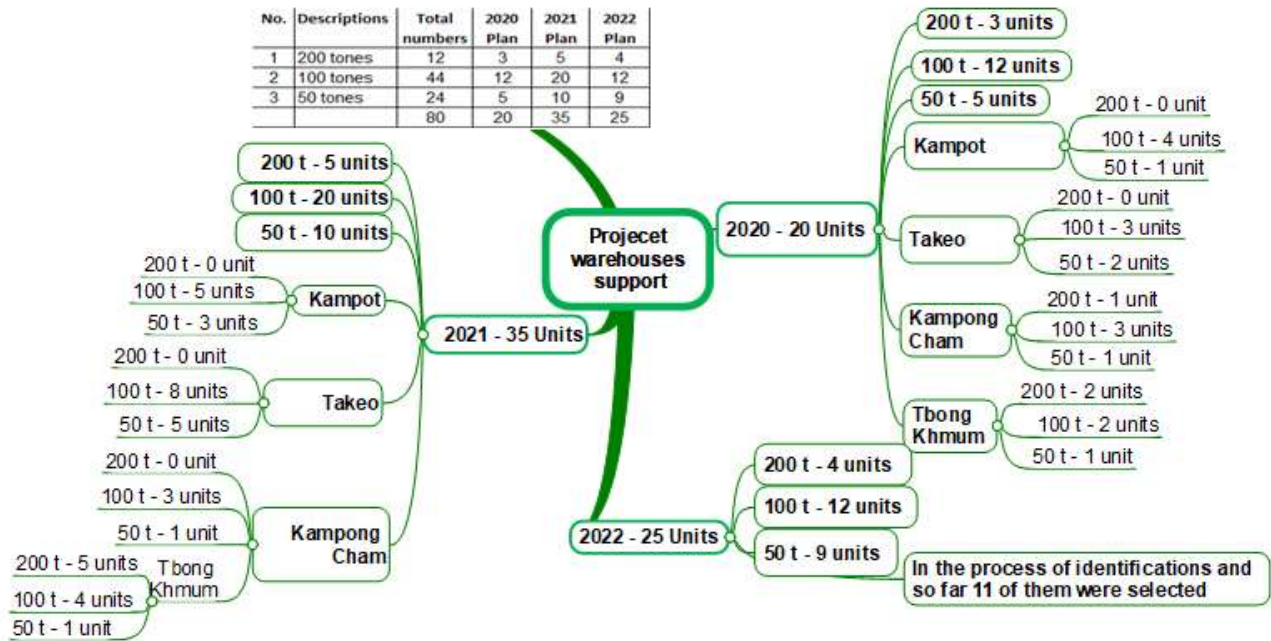


Figure 4: The project AC warehouses supports plan

14. The remaining 25 AC warehouses are planned for project support in 2022, currently their identifications for the project supports are in progress, see figure 4.

15. According to project design, the flat bed dryers are to be equipped with the 100 tone grain storage warehouse, with total number of them 44, figure 5 shows the flatbed dryer, which is left unused by farmers. Hence total number of flatbed dryers is also 44 have been planned under project support. However during field visits to the project sites to identify the ACs for project supports, it was founded out that the existing flatbed dryers which were previously installed at the ACs by other donor agencies having challenges and issues/constraints as follows,



Figure 5: Flatbed dryer

- a) For the proposed flatbed dryer, according to interview with the AC members, the performances of the dryer are very dissatisfied, e.g. the recently constructed flatbed dryer on site is not being used by an AC due to the negative experience of fellow ACs who tried to use it. The operating issues for the flatbed dryer are as followings: i) Long drying time, ii) milled rice has smoke odor/smell, not attracted by customers, iii) Low output capacity, it takes 6 days to dry only 4 tons paddy, iv) intensive labor operations, more cost is paid on labors and no benefit is left from mil rice transactions.
- b) Because the farmers already had a bad experience with the flatbed dryer, they might not use the flat bed dryer which the project is planned to support them.
- c) Because of these issues it is recommended a proven popular Suncue recirculating modern dryer (12 tones capacity/12 hours with rice hull furnace), which is currently being used throughout Cambodia by the rice millers, and figure 6 shows the modern dryer.



Figure 6: Modern dryer

16. On 27 Jan 2021, the TL requested to the ADB to replace the flatbed dryer with modern dryer, and on same day there was a reply back from the ADB (Dr. Srinivasan) proposed the project team to get advice from Leo on the possibilities for budget reallocations. On 1 Feb 2021, Leo communicated with the TL, coming up with the proposed budget, and on same day there was a reply from the ADB (Dr. Srinivasan) proposed not reallocate budget for the dryer but reducing number of dryer from the original amount 44 to around 17 to suit the existing dryer budget availability. In addition he also advised for the project to conduct rigorous assessment how these 17 cooperatives with both storage and dryer options are selected. Hence in principle the ADB agreed to shift from the flatbed dryer to modern dryer. It is noted that, the MEF is also aware of propose for shifting from the flatbed dryer to modern dryer.
17. Following up with the agreement on warehouse operation, management, and maintenance between the PDAFF and ACs. The selected ACs for project support in 2020 and in 2021 signed the agreement letters on warehouse management between the AC boards of director and Directors of PDAFF. The agreement on warehouse management for the 55 ACs were prepared and signed between the AC's management committees and the Directors of PDAFFs in target provinces, see table 5.
18. Following up with the process of crop producer group establishment for the 55 groups (i.e. rice producer group consisting of 40, cassava and mango producer groups consisting of 15 groups).

Table 5: Numbers of warehouse management agreements between the ACs and the PDAFFs

Province	# of agreement signed	# of people joined in discussion meeting	Remarks
Takeo	18	143 (29% are women)	

Kampot	13	106 (45 % are women)	There series of discussion between AC's committee and Director of PDAFF in target provinces
Kampong Cham	10	79 (20% are women)	
Tbong Khmum	14	115 (20% are women)	
Total	55	330 (29% are women)	

19. The remaining 25 ACs, which are required for project supports in 2022, 11 of them so far were identified and selected, see table 5 and figure 4. The first draft feasibility study report for those selected ACs was prepared.

Table 6: Numbers of ACs, which have been selected for project support in 2022

Province	Capacity, 50 T	Capacity, 100 T	Capacity, 200 T	Total
Takeo	2	6	0	8
Kampot	1	2	0	3
Kampong Cham	0	0	0	0
Tbong Khmum	0	0	0	0
Total	3	8	0	11

II.1.6. Photo voltaic support

20. Since the mobilization of the National Photovoltaic engineer, activities achieved are as following:

- Design the electrical installation for the renovation of the Bio-pesticide, bio/organic fertilizer room, and for the renovation of the plant tissue culture lab room. The design of electrical drawings together with the BoQ for the LAB room renovation were prepared, figure 7 shows the electrical design activities;
- Reviewing of the electrical system and solar system designs for the Training Buildings, the Mechanization engineering workshops and the AC warehouses;
- Conducted field visits to the project areas to assess the potentiality for solar energy application as green energy source under the project subproject supports, such as the AC Warehouses, the Training buildings and the Mechanization engineering workshop.



Figure 7: Designing electrical system for lab room renovations

II.1.7. Activity 1.e: Strengthening infrastructure for agricultural quality and safety testing at national agricultural laboratory (NAL)

II.1.7.1. 1.e.1: Crop product quality and safety testing laboratory and lab-equipment upgraded

21. The activity is supporting the bio-fertilizer and bio-pesticide certification & standards, during the third quarter of 2021 from 1st July to 30th September 2021, main result of achievements are as following,

- Reviewing and finalizing the lists of equipment, materials and chemical reagents with the suppliers;
- List of equipment, materials and chemical reagents to be supplied to the NAL together with the equipment specification have been prepared and will be submitted to the procurement section for the preparation of the bidding document;
- Concept note for lab-room renovation, lab-equipment and chemical reagent purchasing and plant tissue development were submitted to the PMU for reviewing;
- Preparation of the design for lab room renovation, see figure 8 and figure 10 shows the layout plan for the lab room renovations. The BoQ for lab renovation was prepared and the lab renovations are consisting of Bio-fertilizer/pesticide Laboratory rooms



Figure 8: Lab room renovation design

(See figure 10 with room annotations: I, II, III and IV) and Plant tissue culture laboratory room (see figure 10 with room annotations A, B, C, D, E and F)

- d) Preparation of the design and cost estimates for the Green house intervention, see figure 9, the design activities are in progress and figure 11 shows the layout plan design of the green house. It is noted that the green house design dimension is not according to the original design of size 21m x 22m but due to land availability, the current design is only 4m x 1.5 m, see figure 9 and figure 11;
- e) Keeping in contact with the supplier company (DKSH) to obtain the detail specification and quotations for lab equipment, materials and chemical reagents;
- f) The concept notes on Lab-room renovation was prepared and was submitted to PMU for reviewing and commenting;
- g) Reviewing the existing drawing of bio-lab infrastructure and green house infrastructure; and
- h) Reviewing and validation of existing Biotech-Lab Equipment.



Figure 9: Planned location for Green house

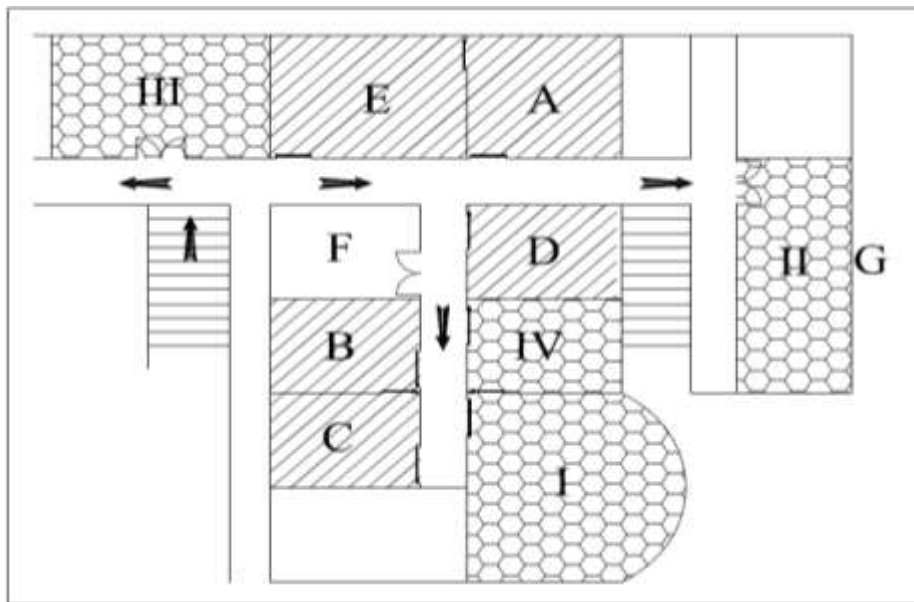


Figure 10: NAL Room renovation layout plan

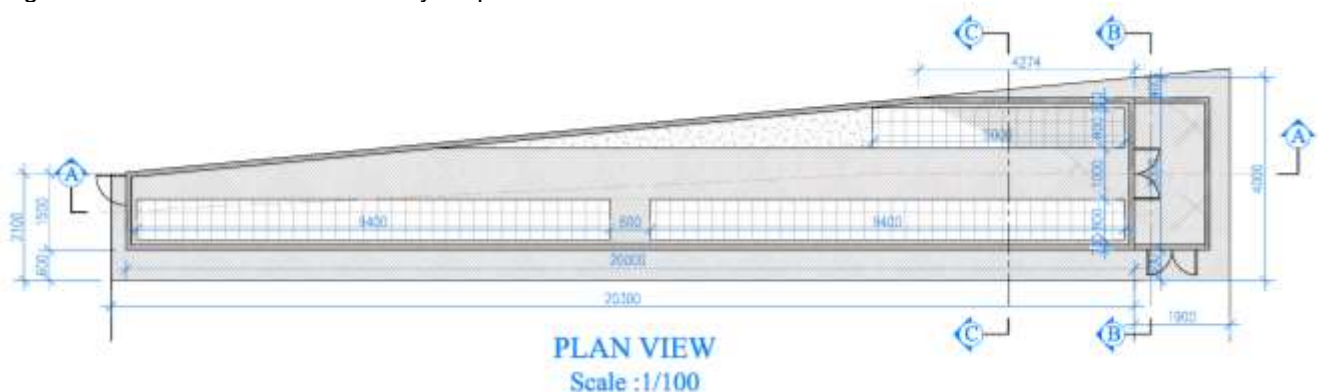


Figure 11: The Green house layout plan design

II.1.7.2. 1.e.2: Bio fertilizer & Bio pesticide Production and Quality Testing

22. The activity is to support the bio-fertilizer and biopesticide certification & standards. As of reporting period main achievements are as the following:
- Reviewing the law on pesticide and fertilizer management (2012) and relevant regulations under the law related to the registration process for organic fertilizer and bio-fertilizer;
 - Names and addresses of local producers for organic fertilizer and bio fertilizer products in country were registered;
 - The process for registration of organic fertilizer and bio-fertilizer in the country was drafted;
 - Drafting the chapter of Plant Growth Promoting Microbes (PGPM) in agriculture and Environment, and drafting the testing guideline for PGPM;
 - Proposing for the composition of technical working groups (TWGs) for the consultation of the draft national standard for bio fertilizer in the country;
 - Reviewing and revising of the existing standard for organic fertilizer, ensuring that the draft standard is complying with the international standard.

II.1.7.3. 1.e.3: Plant Tissue Culture Development

- Reviewing article, and related documents for writing the TC manual in cassava, and
- Finalizing of the first draft TC manual for cassava.

II.1.7.4. 1.e.4: Improve Staff Competencies

23. The activity is to support bio-fertilizer and bio pesticide certification & standards and as of reporting period following activities were achieved:
- Developed the training contents on overview of plant growth and promoting microorganisms in agriculture sector and quality control methods for commercial products of bio-fertilizer and bio-pesticide. The promotion is for strengthening and raising awareness for NAL staff capacities and knowledge;
 - Five (5) training service providers were contacted for quotation prices to deliver the trainings, however due to COVID-19 restriction, the training could not be organized;
 - GDA proposed to conduct the training in house (country) using local training providers such as RUA, Prek Leap Agricultural National Institute, and private training providers. These in house training providers are keeping in contact as the sources of training providers, see table 7;
 - The training concept note was approved by the project for 30 GDA staffs attending into the training (the 30 staffs are consisting of 10 staffs to be trained on plant tissue culture development, 10 staffs to be trained on bio fertilizer production and quality testing and 10 staff to be trained on bio pesticide production and quality testing). The training course could be readily started from 1st October to 31st October 2021, and the training will be conducted by RUA and Prek Leap National School of Agriculture;
 - Developed the training content on an overview of plant growth promoting microorganisms in agriculture sector and developed the quality control methods of commercial products for bio-fertilizer and bio-pesticide to the technical staffs of NAL. The aims of the training are for strengthening and raising awareness the capacity and knowledge of the NAL staffs;
 - Provided the on job-training for PTC theory and TC in cassava to the NAL staffs. And the training topics are the introduction to the theory in the class and practice in the TC laboratory.

Table 7: List of training resources providers contacted on 30 September 2021

No	Name of resource person	Contact address
1	Maejo University/Thailand Dr. Jutamas Piladee, Director of the Orchis and Ornamental Horticulture Center	inter-a@mju.ac.th , dia.mju.@gmail.com jibby60@hotmail.com

2	Ms. Monthar Wongmaneroj, Kasetsart University, Head of Central Laboratory and Greenhouse Complex/Thailand Dr. Sutkhet Nakasatoin, Dean of Faculty of Agriculture, Kasetsart University, Thailand	rdmow@ku.ac.th agrskn@ku.ac.th
3	Dr. Zakir Hossain, PhD, AIT	zakirmh@gmail.com , zakimh@ait.ac.th
4	Dr. Sokneang, Dean of Faculty of Chemical and Food Engineering at ICT/Cambodia	in@itc.edu.th
5	Dr. Surono, ICTS, Indonesia	suronotjasmad@gmail.com
6	Dr. Tho Kim Eang The Royal University of Agriculture	thokim@msu.edu.kh / kimeangtho@gmail.com
7	Dr. Chhun Tory Prek Leap National School of Agriculture	torychhun74@yahoo.com

II.1.8. Sub-target 1. e.4. Support to achieve ISO17025 Accreditation/registration

24. The activity is not yet started, awaiting for the mobilization of the experts.

II.1.9. Sub-target 1. e.5. Support in Business Plan to get Cost Recovery

25. The activity is not yet started, awaiting for the mobilization of the experts.

II.1.10. Activity 1.f: Promoting Renewable Energy in target Cooperatives for Value Chain Improvement

26. Under this activity includes (i) installation of at least 12,000 more bio digesters in target agricultural cooperative benefitting to at least 80,000 persons (40,000 females); (ii) supporting the construction of 6,000 compost huts to process bio-slurry; and (iii) establish a national framework on the bio digester quality (standard development) and harmonize biogas initiatives in a private sector friendly manner.

II.1.10.1. Sub-target 1.f. 1. Installation of 12,000 Bio digesters

27. 750 bio-digesters were planned in 2020 and during that year, there was no bio digester under construction. During year 2021, another 500 bio digesters are planned, which bringing to total numbers of them planned in AWPB 2021 reaching to the amount of 1,250² units. As of reporting period, main achievements are as following,

- a) No bio digester construction yet;
- b) Tender document got NOL from the ADB;
- c) Followed up the bid reviewing and evaluation report submitted to ADB;
- d) PPIU conducts small group and village meetings to identifying interested clients;
- e) Total of 160 new clients across target provinces were identified.

II.1.10.2. Sub-target 1.f.2. Installation of 6,000 compost huts

28. 375 compost huts were planned in 2020 and during that year, there was no compost hut under construction. During year 2021, another 250 compost huts are planned, which bringing to total numbers of them planned in AWPB 2021 reaching to the amount of 625³ units. As of reporting period, main achievements are as following,

- a) No compost huts construction yet;
- b) Tender document got NOL from the ADB;
- c) Disseminated information to villagers/farm owners aiming to identify clients through commune

² 500 biodigesters planned in 2021 with carry over amount of 750 units from year 2020.

³ 250 compost huts planned in 2021 with carry over amount of 375 units from year 2020.

and provincial workshops for 2021 compost hut enrolment/constructions;

- d) 84 farmers were identified for compost hut purchasing in 2021;
- e) Followed up with the bid reviewing and evaluation report for compost hut to be send to ADB;
- f) PPIUs conducted field activities, aiming for the identification of clients to purchase compost hut.
- g) In total, there 124 new clients across target provinces were identified.

II.1.10.3. Sub-target 1.f.3. R&D and Capacity Building for Bio digesters and Bio-slurry

29. Main achievements as of reporting period are as following:

- a) 2 ToT training courses were conducted for PDAFF & extension workers in Kampot province, the training are on quality control construction techniques and on extension methods for bio digester and bio-slurry. Total of 226 participants were attended into the training and 40 of them are women;
- b) 2 National workshops on bio digester and composting were conducted in 4 target provinces, aiming to disseminate information on bio digesters and on compost huts and to introduce the bio digester and compost hut construction forms to be used prior to, during and after construction. In addition the workshop was also introduced the concept of project performance and key actors including warranty certification. 48 participants were attended into the training and 8 of them are females;
- c) 2 Commune and provincial Workshops were conducted in target provinces to disseminate information on the implementation, promotion and marketing for potential clients on bio digester and compost huts and sharing lesson learnt on bio-slurry. 57 participants were attended in to the workshop and 15 of them are women;
- d) Conducted 1 dissemination/reflection workshops aiming to present the benefits of bio digester and bio-slurry and to identify new potentials clients who are eligible for bio digester and compost hut program. 39 participants were attended into the workshop and 6 of them are women;
- e) PPIUs conducted 25 training courses to extension officers/workers on bio digester and bio-slurry in target provinces aiming to identify interested clients for the construction of bio digester and compost huts. 324 participants were attended into the training and 125 of them are women;
- f) PPIUs conducted 10 field coaching and mentoring on promotion and marketing of bio digester and compost huts in target provinces, 1760 clients were attended into the coaching and mentoring activities, and 771 of the participants are women;
- g) 1 model farmers training and exchange visit was organized in target provinces, aiming on technical aspect of the use and management of bio-slurry and compost making and sharing the success experiences on growing vegetable in shelter as adaptation measure to climate change. In addition the training is aiming for compost making for model farmers in target provinces, 41 participants were attended into the training and 8 of them are women;
- h) The PPIU in target provinces organized monthly meeting, aiming to update the progress of project implementation and preparation of next month's planning activities together with the PPIU staffs and extension workers. 62 participants were attended into the training and 12 of them are women;
- i) The achievement summary for the bio digester and compost hut activities are presented in the below table 8, figures from the table are shown that the achievements of training activities as of reporting period is reaching to 78 trainings vs 993 as planned in the annual target 2021.

Table 8: achievement summary for the bio digester and compost hut activities as of QR 3 2021

No	Activities	Province names	Unit	Annual Target 2021 (#)	Actual Progress in Jul 2021 (#)	Actual Progress in Aug 2021 (#)	Actual Progress in Sep 2021 (#)	Cumulative Progress by 2021 (#)	Explanation if any
1	Training and capacity building	TAK	Training	111	9	9	4	22	
		KPT	Training	111	2	2	5	9	
		KPC	Training	110	4	4	0	8	
		TBK	Training	111	3	3	3	9	
2	Promotion and marketing	TAK	Unit	116	2	2	3	7	
		KPT	Unit	115	3	3	1	7	
		KPC	Unit	114	1	1	6	8	
		TBK	Unit	116	2	2	3	7	
3	Monitoring and evaluation	TAK	Time	16	0	0	0	0	4000 Technical leaflets distributed to clients
		KPT	Time	17	0	0	0	0	
		KPC	Time	17	0	0	1	1	
		TBK	Time	16	0	0	0	0	
4	Innovation & VC Improvement	TAK	Place	6	0	0	0	0	
		KPT	Place	6	0	0	0	0	
		KPC	Place	6	0	0	0	0	
		TBK	Place	5	0	0	0	0	
	Total			993	26	26	26	78	

II.2. Output 2: Climate Smart Agriculture and Agribusiness Promoted

30. Under this output, the contract of CS2 covered with three key activities including 2.a: deployment of climate-resilient varieties; 2.b: capacity strengthening for climate-smart agriculture and technologies improved, 2.c: promotion of farm mechanization. Under this output, at least 40,000 farmers (16,000 women), received CSA training focusing on the rice, cassava, maize and mango value chains, and 50% of anticipated farmers will be received SRP compliant training.

II.2.1. Output 2.a: Deployment of climate-resilient varieties.

II.2.1.1. Sub-target 2.a.1: 3 additional climate resilient varieties of rice and maize released.

31. The project supports the Cambodia Agricultural Research and Development Institute (CARDI) to trial and release climate resilient varieties for rice and maize including seed production and multiplication, distribution of quality seed to farmers in target provinces. The project assists CARDI to develop a commercialization program with recommendation on the legal framework to develop intellectual property rights and partial cost recovery for the institution. There is no activity progress as of reporting period due to CARDI does not signed contract yet with IRRI.

II.2.1.2. Sup-target 2.a.2 Land levelling of 4,000 hectares and demonstration (through procurement)

32. 500 ha of paddy fields across target provinces are planned for laser land levelling in the AWPB 2021. The fields are to be selected from within the irrigation schemes supported by the project and with FWUCs established. Main activities achievements for the selection of

paddy field for laser land levelling are shown in the below table 9 and could be described as following,

- a) 239.8 ha of paddy fields were selected for laser land levelling in Takeo province, the areas will be benefited to 407 households, out of which 115 of them are women;
- b) 22.35 ha of paddy fields were selected for laser land levelling in Kampong Cham province, the area will be benefited to 25 households, out of which 8 of them are women;
- c) 245.61 ha of paddy fields were selected for laser land levelling in Tbong Khmum province, the area will be benefited to 323 households, out of which 121 of them are women.

Table 9: Paddy field selection for laser land levelling

N	Activities	Province names	Unit	Annual Target 2021	Actual Progress	Cumulative Progress	Explanation
1	Under irrigation scheme supported by the project	TAK	ha	125		239.8	
		KPT	ha	125		0	
		KPC	ha	125		22.35	
		TBK	ha	125		245.61	
	Total		ha	500		507.76	

II.2.1.3. Sup-target 2.a.3 Land levelling demonstration by third quarter of 2021

33. Laser land levelling is also allocated to CADRI, aiming to do demonstration on water use efficiencies, nutritional management and yield increase comparing to the fields without land levelling. During the reporting period 34 ha of paddy field area were Identified and selected for demonstration (out these areas, 15 ha in TAK, 15 ha in KPT and 4 ha in KCM), see table 10.

Table 10: Selected paddy fields for conducting laser land leveling demonstration

N	Activities	Province names	Unit	Annual Target 2021	Actual Progress in August	Cumulative Progress by Aug 2021	Explanation if any
1	Laser land levelling demonstration	Takeo	ha	15	15	15	COVID_19
2		Kampot	ha	15	15	15	COVID_19
3		Kampong Cham	ha	15	4	4	COVID-19
4		Tbong Khmum	ha	15	0	0	COVID-19
	Total			60	34	34	

Note: the activity will be carried over to AWPB 2022

II.2.1.4. Sub-target 2. a.2 Conducting on-field rice seed production demonstration

34. 90 ha laser land demonstration fields on climate rice variety are planned in AWPB 2021. The 3 resilient rice seed varieties are Phkar Rumduol, Phkar Mealdei-medium, they are photo period sensitive, and CAR16-early, it is photo period insensitive, these varieties have been selected for conducting rice seed production demonstration. Main activity achievements as of reporting period are as the following:
 - a) Discussed with PPIUs in target provinces to arrange for conducting the demonstration, and 90 ha plots were selected for rice seed production demonstration, table 11;
 - b) 1,350 kg rice seed (foundation seed) were purchased from CARDI and distributed to 90 key farmers for wet season rice seed production demonstration. The project staffs are kept doing following up with the demonstration activities together with key farmers in target provinces;
 - c) Based on field observation, most of the demonstration plots in Takeo and Kampot provinces

are in good condition, even though some of fields are required the needs for purifications.

Table 11: Summary of field demonstration and amount of rice distributed

N	Province	Number of demos, (ha)				# of seed (Foundation seed), kg			
		PRD	PMD	CAR16	Total	PRD	PMD	AR16	Total
1	Takeo	19	-	5	24	85	-	75	360
2	Kampot	12	6	5	23	180	90	75	345
3	Kampong Cham	12	7	2	21	180	105	30	315
4	Tbong Khmum	10	8	4	22	150	120	60	330
	Total	53	21	16	90	795	315	240	1,350

II.2.1.5. Sub-target 2.a.3: Conducting on-field cassava seed production demonstration

35. 10 cassava seed production demonstration were planned in the AWPB 2021, and the demonstration plots are selected in Kampong Cham and Tbong Khmum provinces. The demonstration is aiming to assess the quality of planting materials. The planning for Cassava demonstration was done in cooperation with the Department of Industrial Crop/GDA and PPIUs in the two provinces. Four (4) cassava planting materials, which were used for the demonstration are (i) Rayon-9, (ii) 81, (iii) KU-50, and (iv) Huy Bong-60. As of the reporting period, the demonstration plots were selected as shown in table 12 and the planting materials were distributed as shown in table 13. The Cassava seeds were distributed to selected farmers and the plantations for demonstration were done. During the reporting of third quarter, main result of achievement as the following:

- 7 key farmers were selected as following: 2 in KCM and 5 in TBK, and 3 demo plots were selected in Chamkar Leu Development Center for conducting on-farm cassava seed demonstration. The center is under the responsibility of GDA;
- 3,000 bunches of cassava planting materials⁴ were distributed to key farmers for conducting on field demonstration over the land areas of 10 ha; table 12 and table 13 present the selected demonstration plots and the amount of cassava planting materials by each variety respectively;
- Based on field observation, it is found that the 81-variety cassava planting materials are in good resistant to Cassava Mosaic Virus, it is then followed by the KU-5 cassava seed. The two varieties are better resilient to virus than other varieties and the nearby farmer's fields. However all the cassava varieties, which the demonstrations were conducted at the Chamkar Leu Center were not observed with disease infection;
- During the visits to the demo sites, it was observed that the Cassava Mosaic Virus is transmitted with the use of planting material that has been contaminated with the Cassava Mosaic Virus.

Table 12: Selection of Cassava demonstration plots

Province	Number of demo (ha)				Total Demo
	Rayon-9	81	KU50	Huy Bong-90	
Kampong Cham	1	1	0	0	2
Tbong Khmum	3.25	1.75	0	0	5
Chamkar Leu	0.75	0.75	0.75	0.75	3
Total	5	3.5	0.75	0.75	10

Table 13: Cassava planting materials distributions

Province	Planting material distribution (bunches)	Total

⁴ 300 bunches/ha/demo

	Rayon-9	81	KU-50	Huy Bong-60	
Kampong Cham	300	300	-	-	600
Tbong Khmum	975	525	-	-	1,500
Chamkar Leu	225	225	225	225	900
Total	1,500	1,050	225	225	3,000

II.2.2. Output 2.b: Strengthening capacity in climate friendly production practices and technologies

36. The output is to strengthen the capacity of farmers, cooperatives and agribusinesses on CSA and climate friendly agricultural practices. Under this output, the farmer-oriented training program on CSA should be reaching to at least 40,000 farmers (16,000 women), aiming at the rice, cassava, maize and mango value chains. 50% of the selected farmers will receive technical training on SRP compliant. Youth, landless, farmers (men & women), FWUCs board and their members, AC's boards and their members, and government officials from the Provincial Departments of Agriculture, Forestry and Fisheries (PDAFFs) will receive both formal training and on-farm demonstrations activities under project supports.

II.2.2.1. Sub-Target 2.b.1: TOT training in Climate Smart Agriculture

37. The AWPB 2021 targets covering about 80 technicians (30% are women) from the GDA and the PPIUs will receive TOT trainings on SRP compliance, CSA compliance, CamGAP compliance, Agribusiness development Skills, and Farm mechanization including conservation agriculture. Due to the situation of Covid-19 and the imposition of strict preventive measures of the royal government that did not allow to do gatherings of people not more than 10, the project decided to split the training course from one course into two courses (a total of 16 ToT) in order to obey the standard of operating procedure of the Ministry of Health and to suppress the covid-19 infection to other.
38. Revised the concept note and budget breakdown for all TOT at national and provincial levels. The training will be conducted in target provinces with the selection of 4 participants from KPT and 4 from TAK along the south-coastal zone economic corridor and 4 participants from TBK and 4 from KCM for the TOT training along the Northern economic corridor. Below are the ToT were conducted,
- 1 TOT training on SRP for 16 GDA staffs (international training);
 - 1 TOT training on CSA for 16 GDA staffs (national training);
 - 8 TOT training on SRP for 16 PPIU staff in target provinces;
 - 4 TOT training on Farm Machinery for 28 PPIU staffs in target provinces;
 - 6 TOT training on CamGAP for 12 PPIU staffs in target provinces;
 - 4 TOT training on Business Skills for 40 PPIU staffs;
 - 2 TOT training on CSA at provincial level for 16 PPIU staffs.
39. The successful trained staffs (trainers for all training type) were awarded with certificate and allowed to organize and to conduct trainings on the same subjects to farmers in their target provinces, table 14 presents the summary of the ToT trainings, which were conducted.

Table 14: Summary of the ToT Trainings as of reporting period

No	Activity (TOT)	Province	Unit	Annual Target	Actual progress in Sep 2021	Cumulative in Sep 2021
1	SRP ToT Training	GDA	Person	12	0	16
2	CSA TOT training	GDA	Person	12	0	0

3	SRP ToT training (1)	TAK, KPT	Person	8	8	8
4	SRP ToT training (2)	KCM, TBK	Person	8	8	8
5	Farm Mechanization (1)	TAK, KPT	Person	8	19	19
6	Farm Mechanization (2)	KCM, TBK	Person	8	20	20
7	CamGAP (1)	TAK, KPT	Person	12	12	12
8	CamGAP (2)	KCM, TBK	Person	12	12	12
	Total			80	79	95

II.2.2.2. Sub-target 2. b.2. Training of 20,000 Farmer in SRP Compliance

40. AWPB 2021 planned for 100 training courses and is anticipated at least 5,250 farmers (30% are women) will receive training on SRP compliance. The courses are focused on complying with affordable SRP performance indicators. As of reporting period main results of achievements are as following:
- Revised annual work-plan and budget for 100 trainings to farmer on SRP compliance;
 - Prepared training program and schedule;
 - 120 farmers were trained on SRP compliant in Takeo province (79 of them are females);
 - 120 farmers were trained on SRP compliant in Kampot province (74 of them are females).

II.2.2.3. Sub-target 2.b.3: Training of 20,000 Farmers in CSA practice and technologies

41. AWPB 2021 planned for 150 training courses and is anticipated that at least 5,800 farmers (30% of them are women) will receive training on climate smart agriculture (CSA). The trainings are mainly centered on CSA practice for rice, maize and cassava. During the third quarterly reporting of 2021, main result of achievement are as the following:
- Revised annual work-plan and budget for 150 training courses to farmer on CSA practices,
 - Preparation of training program and schedules,

II.2.2.4. Sub-target 2. b.2. Training of 500 farmers in CamGAP for Mango

42. AWPB 2021 planned for 20 training courses and are anticipated at least 120 mango farmers (30% of them are women) will receive training on CamGAP compliant. The courses will focus on mango farmers coming from the agriculture cooperative in target project provinces. During the third quarterly report of 2021, main result of achievement are as the following:
- Revised annual workplan and budget for the 41 trainings to farmers on CamGAP compliance;
 - Preparation of training program and schedules.

II.2.2.5. Sub-target 2.b.3. Training 9,500 farmers in farm mechanization and conservation

43. The AWPB 2021 planned for 30 training courses, and the training courses will be led by the Department of Agricultural Engineering (DAEng). Following training topics are covered: (1) Storage unit operation, (2) Laser land levelling, (3) O&M for agricultural machinery, (4) Agricultural production conservation system, and (5) post-harvest technology and post-harvest losses, and reduction management. The training will target at least 2,050 farmers (30% of them are women). During the third quarter of 2021, main result of achievement are as the following,
- Prepared annual workplan and budget for 30 trainings to farmers on farm mechanization and agriculture conservation;
 - Preparation of training program and schedule.

II.2.2.6. Sub-target 2.b.4. Training 20,000 Farmers in Agribusiness development skills

44. AWPB 2021 planned for 48 trainings, targeting 70,000 trainees (table 15) on Agribusiness development skills. The trainings are aiming to reach at least 7,893 (30% are women) farmers and AC members. The trainings will cover following training topics: (1) Leadership and management, (2) Business development skills, (3) Simple bookkeeping and

accounting, (4) Annual report writing, and (5) basic principle of ACs marketing system information. As of reporting period main result of achievements are as the following:

- a) SRP trainings were conducted to farmers with 240 participants attended (30% of them are women), see table 15;
- b) Reviewed annual workplan and budget for 48 training to farmer groups and AC's board and their members on business development and other relevant topics;
- c) Preparation of training program and schedules.

Table 15: Summary of trainings conducted

No	Activity (TOT)	Unit	Annual Target	Actual progress in Sep 2021	Cumulative in Sep 2021
1	SRP Training for farmer	Person	20000	240	
2	CSA training for farmers	Person	20000		
3	Farm Mechanization for farmers	Person	9500		
4	CamGAP training for farmers	Person	500		
5	Business skills training for farmers	Person	2,0000		
	Total		70,000		

II.2.2.7. Sub-target 2.c.1. 27 FWUC establishment and made full operational

45. AWPB 2021 planned for the establishment of 18 FWUCs (10 FWUG carried over from 2020 and 8 FWUCs planned in 2021). During the reporting period main results of achievements are as the following:

- a) FWUC establishment for Trapeang Run and Prey Kduoch irrigation system in Kampot was completed in 8 steps or 80% completion, see table 16;
- b) 3 FWUCs in Tbong Khmum province (Tuol Pring, Trapeang Tros, and Ta Kem irrigation subprojects) their establishments were completed. The official stamps for the three FWUCs were handed over to them officially by the DFWUC of the MOWRAM. 41 FWUC's representatives and FWUC's members were attended into the FWUC stamp handover ceremony (11 of them are women) in Tbong Khmum province;
- c) Discussed with the financial specialist to prepare budget for establishment of 8 FWUC and to get budget approval;
- d) Conducted data review on 10 FWUCs establishment for M&E data entry;
- e) Analyzing the As Built Drawing for the preparation of the O&M manuals for Trapeang Run irrigation subproject in Kampot province and conducted site visits along main canals, secondary canals, structures, and dam for the preparation of the O&M manuals;
- f) Explanation of the roles and responsible functions of the FWUC committees on irrigation system O&M;
- g) Preparation of an administrative task module objective for the FWUC;
- h) FWUC establishment at Ta Koch irrigation subproject in Kampot province achieved from step 1 – 8 (see table 16).

Table 16: Activity summary progress on FWUC establishments

No	Activities	Province names	Unit	Annual Target 2021	Actual Progress	Cumulative Progress	Explanation If any
1	FWUC establishment- Trapeang Run	KPT	FWUC	1	0	0	Completed all 8 steps of FWUC establishment
2	FWUC establishment- Takoch	KPT	FWUC	1	0	0	Completed all 8 steps of FWUC establishment

3	Submitted FWUC proposal	TAK		3	0	0	The 8 FWUCs establishment not undertaken yet
4		KPT		2	0	0	
5		KPC		1	0	0	
6		TBK		3	0	3	3 FWUCs establishment completed and stamps officially handed-over to FWUC's representatives by DFWUC/MoWRAM
Total				11	0	3	

II.2.2.8. Sub-target 2.c.2. 500 FWUC's representative developed capacity on O&M

46. The activity is aiming for capacity development for FWUC's representatives, training topics to be delivered for their capacity development are as following: Operation and maintenance of irrigation system and irrigation service fee collection (ISF). AWPB 2021 planned for capacity supports on irrigation schemes management to 109 FWUC's representatives. During the reporting period, main result of achievements are as the following:
- Discussed with DFWUCs on capacity building supports for FWUC representatives;
 - Revised the FWUC capacity building budget and proposal;
 - Prepared training module's objectives;
 - Prepared TNA questionnaires and did the translation;
 - Conducted training assessment for 6 FWUC Committees in 3 provinces namely: a) Kampong Cham province, three irrigation subprojects i.e. Pram Kompheak, Pou Tatress, and Toul Pring were selected to conduct the TNA. b) in Tbong Khmum province, two irrigation systems, i.e. Kbal Teuk, and Trapaing Tros were selected to conduct the TNA and c) Kampot province, two irrigation systems, i.e. Trapeang Run and Ta Koch were selected to conduct the TNA;
 - Prepared training manuals on irrigation system operation such as leadership, book keeping and communication, table 17 presents the status of the manual preparations;
 - Conducted final review for FWUC capacity building proposal.

Table 17: Summary of FWUC preparation training manuals

N	Activities	Province names	Unit	Annual Target 2021	Actual Progress	Cumulative Progress	Explanation If any
1	Leadership Book Keeping Communication	TAK	Person	15	0	0	AWPB not approve yet
2		KPT	Person	12	0	0	AWPB not approve yet
3		KPC	Person	9	0	0	AWPB not approve yet
4		TBK	Person	15	0	0	AWPB not approve yet
Total				51	0	0	

II.2.3. Output 2.c: Promoting farm mechanization and extension

47. The mechanization workshop (MW) in Takeo province has not been proposed as a part of the climate friendly agribusiness value chains sector project. It is most mandatory to have mechanization workshop in Takeo province, because it will provide training facilities to promote on farm mechanization and extension services and will be used as the training hub for service provision, especially to agribusiness and players supporting farmer value chain linkages for agricultural machinery and repairs. In addition, the center will provide training support on agricultural machineries for the provincial department of agriculture staffs, farmer's cooperatives, mechanization service providers and it will also be used as maintenance service hub for agricultural machinery in the province. Takeo province is considered as the most paddy production location in the country or considered as rice bowl of Cambodia. Please be informed that the location of the proposed new mechanization workshop will be located in the compound of Takeo Provincial Department of Agriculture Forestry and Fisheries.



48. At the same time it is proposed for the new PADC in Kampot province instead of doing renovation of the existing building. And the reason of doing so, because the cost for the renovation is nearly same as the cost for new construction. Why the renovation cost is high because in order converting the existing building into an operational training center, it is required to do renovation of the entire PDAFF building. In addition, renovation of the old building is not quite safe. Hope the MEF and the ADB would consider the request. Figure 12 shows the construction works of the PADC in Takeo province is in progress.

II.3. 2.10. Output 3: Enabling Environment for Climate Friendly Agribusiness Enhanced

49. The output is for the support in the establishment of an enabling policy and regulatory environment for agribusinesses, identification of opportunities for private sector engagement in climate change mitigation and adaptation, and provision of climate information services, allowing farmers to better plan for their cropping season. This output is consisting of three key activities such as (i) formulating climate friendly agribusiness policies and standards; (ii) promoting green finance and risk sharing mechanisms, and (iii) supporting climate risk management through information and communication technologies (ICT)⁵.

II.3.1. Activity 3.1: Formulating climate friendly agribusiness policy and standards

50. In Cambodia, there is a need for agribusiness to achieve competitive advantage, to realize economic of scale and continuity of supply and break into markets. To facilitate competitiveness and growth among agribusiness, enabling condition must be set. The project will support developing at least 8 climate-conscious standards for agribusiness operation aimed at climate neutrality and effective adaptation.

II.3.1.1. Sub-target 3.a: Climate Smart and Gender-Responsive Agribusiness Policy

51. CS2 has been liaising with the DoPS and DoAI to discuss the agribusiness and related policies documents and feasibility study on crop commodities and Agro-Industry, and to discuss Contract farming policies. MAFF is willing for support on individual commodity policies, and the CFAVC-CS2 package will work on suggested improvement to the existing Rice and Cassava policy and will work on developing policy for other important crop commodities. The expected result of the sub-target by 2024 will be as the following⁶,

⁵ CS4 (Information and Communication Technology) is not under the responsibility of CS2 package

⁶ Not in DMF, however it is an expected output stated in PAM, annex-1, page 77

- a) The CSA policy will be drafted and reviewed by MoC and MAFF and the policy will be jointly endorsed by both ministries;
- b) The Guidance manuals for climate neutrality and adaptation standards for agri-business operation will be developed;
- c) The Climate-Friendly SRP becomes more widely utilized among the 8 of largest Cambodia millers/exporters, they are part of the Alliance⁷;
- d) The CamGAP for tropical fruit standards will be drafted and becomes a Cambodian Standard with Cambodia standard mark; and
- e) The IDP strategies for climate friendly agribusiness developed.

II.3.1.2. CSA policy drafted and reviewed by MoC and MAFF and join endorsement-

52. CS2 have been liaising with the DoPS to discuss on agribusiness and related policies documents and feasibility study on crop commodities. MAFF will support for individual commodity policies, the CFAVC-CS2 package will work on suggesting improvement to the existing Rice and Cassava policy and on developing policy for Mango and Maize. During the reporting period, main results of achievement are as the following,
- a) Finalized the draft ToR for CSA policy study;
 - b) Finalized the draft feasibility study on individual crop commodities, Mango and Maize;
 - c) MAFF has not yet decided for the CFAVC project to approve budget for agribusiness policy and individual crop commodity studies.

II.3.1.3. Guidance manual for climate-neutrality and adaptation standard for agribusiness operation development

53. PAM stated that at present two Cambodian millers are part of the alliance, those millers are not located in the project areas of influence. However, those that are located in the project area of influence such as Golden Daun Keo Mill, Crital Rice Mill, and Sek Meas Rice Mill will participate in the SRP scheme. And during the reporting period, main results of achievement are as the following,
- a) Conducted SRP TOT training to 16 GDA staffs;
 - b) Conducted SRP TOT training to 16 PPIU staffs;
 - c) Drafted training program on SRP for farmers, and for rice mills;
 - d) Provision of SRP training in target provinces of Takeo and Kampot where the rice mills are part of the Alliance.

II.3.1.4. Development of IDP strategies for climate-friendly agribusiness

54. CS2 have been working with the DoPS to discuss for the development of IDP strategies for climate friendly agribusiness. And during the reporting period, main results of achievement are as the following,
- a) *Drafting ToR for strategy development, see table 18,*
 - b) *Reviewing of the existing relevant documents related to IDP strategy development.*

Table 18: Summary progress for CSA policy development

N	Activities	Institutions	Unit	Annual Target 2021	Actual Progress	Cumulative Progress	Explanation

⁷ At present, only two Cambodian millers are part of the Alliance: Golden Daun Keo Mill, Crital Rice Mill and Sek Meas Rice Mill will participate in the SRP scheme.

1	TOR drafted and submission	DPS	TOR	0.25	0.02	0.02	
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II.3.1.5. Sub-target 3.a.2 Standards Formation

55. CS2 have been liaising with the GDA to discuss on standards improvement for an existing and new establishment. Stated in PAM, the activity may be broadly divided into two categories (i) for standards that have been drafted already and (ii) for the standards that are not yet to be drafted. During the reporting period, main results of achievement are as the following;
- First draft on national standards for bio digester
 - First draft on national standards and specification for bio fertilizer
 - First draft on national tool kits on bio-slurry management manual

II.3.1.6. Sub-target 3.a.3: CamGAP for tropical fruit standards drafted and endorsed.

56. CS2 have been liaising with GDA to discuss on good agriculture practice standards development for tropical fruit. The CS2 also liaising with the General Secretariat of MAFF to discuss on the process of endorsement of drafted Good Agriculture Practice Standard for tropical fruit to be a national standard. The activity has not been started, awaiting for the mobilization of experts.

II.3.1.7. Sub-target 3.a.4: CamGAP for organic fertilizer standards drafted and endorsed

57. CS2 have been liaising with GDAHP to discuss on good agriculture practice for Organic fertilizer and endorsement to be a national standard. During the third quarter reporting, main result of achievement as the following:
- First drafting of national standards on bio digester
 - First drafting of national standards and specification of bio fertilizer
 - First drafting of national tool kits on bio-slurry management manual

II.3.1.8. Output 3.2: Promoting green finance and risk sharing mechanism

58. The DMF targets for this activity are “3c. 50 staff, including 30% women, from financial institutions trained in CSA and green finance”, “3d. 30 agribusinesses, including 30% women-led and/or owned, trained on green finance and CSA,” and “3e. 20,000 households, including 20,000 women, provided with information on climate risk sharing instruments.” Furthermore, targets are defined in the PAM or have been requested by MAFF. In particular the requirement to undertake feasibility studies for eight PPP projects as a mechanism to reduce producer risk.

II.3.1.9. PP-Initiative Agribusiness Policy including feasibility for 8 PPP projects

59. CS2 have been liaising with the DoPS to discuss on PPP-Initiative Agribusiness Framework and undertake feasibility for 8 PPP projects as a mechanism to reduce producer risk, table 19 presents the progress of the PPP activities. During the third quarter reporting from 1st July to 30th September 2021, main result of achievement as the following;
- First drafted PPP-initiative Agribusiness Framework is aligned with MAFF framework;
 - Identified additional individual crop commodities for conducting feasibility study;
 - Drafted ToR for feasibility on individual crop commodities (two specific crop commodities);
 - Draft detail budget for feasibility study on individual crop commodities;
 - Finalized procedure or manual for specific commodity producer group establishment;

- f) Discussion with AC's representative in target province for establishment of specific commodity producer groups.

Table 19: Summary progress of PPP framework development and feasibility study

N	Activities	Institution	Unit	Annual Target 2021	Actual Progress	Cumulative Progress	Explanation
1	Draft of PPP framework	DPS	Framework	0.25	0	0.02	In progressing
2	Draft ToR for FS for Mango	DPS	ToR	0.25	0.05	0.05	Drafted
3	Draft TOR for FSON Maize	DPS	ToR	0.25	0.05	0.05	Drafted
	Total						

II.3.1.10. Sub-target 3.c: 50 staff from financial institutions trained in CSA and green finance

60. CS2 (Green Finance Expert) is responsible to organize landscape consultative workshop, aiming to identify relevant micro finance institution for conducting training on green finance and climate smart agriculture. After training they are able to run business with selected potential ACs across the target provinces. During the third quarter reporting from 1st July to 30th September 2021, main result of achievement are as following:
- Literature review for gaps and barriers assessment of green finance;
 - Identification of key stakeholders;
 - Preparation of stocktaking report outline;
 - Prepared initial training need assessment and questionnaire.

II.3.1.11. Sub-target: 3d. 30 agribusinesses, trained on green finance and CSA

- Conducted desk review of project inception report, annual work plan, and relevant materials;
- Prepared initial training need assessment questionnaire;
- Attended in meeting with MAFF management on agribusiness policy;
- Attended in the meetings with CS2 team to discuss progress and way forward;
- Drafted work plan in collaboration with international green finance specialist;
- Preparation of gaps and barriers analysis in collaboration with IGFS;
- Conducted desk review on inception report, annual work plan, and relevant materials;
- Prepared initial training need assessment questionnaire;
- Drafted work plan in collaboration with international green finance specialist.

II.3.1.12. Sub-target 3e. 20,000 households, provided with information on climate risk sharing instruments

- No activity undertaken yet, awaiting for the mobilization of consultant package.

II.4. Project Physical Progress during the Reporting Period²

61. The detailed DMF Performance Indicators implementations progress during this third quarter are presented in ANNEX 4 and the summary of the project physical progress during

2020 and the progresses during 2021 from Quarter 1 through Quarter 3 are presented in Annex 5,

62. The accumulative project physical progress as of reporting period is achieved 40.14% see Annex 5.1 of Annex 5, meanwhile the accumulative physical progress against AWPB 2021 is reached 30.02% see Annex 5.1. More on the physical progress computation is presented in Annex 5.2, Annex 5.3, Annex 5.4 and Annex 5.6 of Annex 5, the overall project implementation progress based on MEF format, the Overall project implementation progress per Implementing Agency, the Overall DMF project implementation progress, the overall project implementation progress Output 1, the overall project implementation progress Output 2, and the Overall project implementation progress Output 3, respectively.

Table 20 DMF Physical progress per period, (as a percentage of End of Project Targets)

Descriptions	Weights (%)	2020 (%)	Q1/2021 (%)	Q2/2021 (%)	Q3/2021 (%)
1	2	3	4	5	6
Output 1	65.00	7.48	6.38	10.14	2.96
Output 2	20.00	2.96	3.92	3.03	1.61
Output 3	15.00	1.40	0.15	1.83	1.41
Total	100.00	11.83	10.45	15.00	5.98
Cumulative		11.83	22.27	37.27	43.25

III. Utilization of Funds (ADB, Cofinancing, and Counterpart Funds)¹

III.1. Contracts Awards

63. Annex 6 provides the details of the contracts being processed. During Q3/2021, the project was actively working on the following contracts as shown in table 21.

Table 21: Actual contracts during QR 3 2021

EA	Project	Action (month)
MAFF	Civil works	
CW7/ CFAVC/MAFF/2021	The Construction of Mechanization Workshops (not including major & minor equipment) & Supervision- CW7, Lot 1: Kampot/01 Lot 2: Tbong Khmum/02 Lot 3: Kampong Cham/03	Letter of acceptance and contract agreement (April 2021) <ul style="list-style-type: none"> •26 July 2021, Request NOL to ADB •30 July 2021, Received NOL from ADB •16 Aug 2021, Contract Signed PMU-MAFF with Hout Chhoeun Co.ltd •30 Aug 2021, Works Contraction •29 Dec 2021; Completed works construction
CW3a/ CFAVC/MAFF/2021	The Construction of the Agricultural Cooperative Storage 20 units for 4 Lots in 4 provinces, CW3a/CFAVC/MAFF/2021 Lot 1: Kampot/04 Lot 2: Takeo/05 Lot 3: Kampong Cham/06 Lot 4: Tbong Khmum/07	Revision of BER and PRC minutes (April 2021) Prepared and sent letter of extension of Bid Validity and Bid Security (May) Provide clarification to ADB about BER (by email, June 2021) <ul style="list-style-type: none"> •30 Aug 2021, Request NOL to ADB •08 Sep 2021, Received NOL from ADB •09 Sep 2021, Contract Signed PMU-MAFF with Hout Chheoun Co., Ltd. •23 Sep 2021, Works contraction •20 Jan 2022; Completed works construction

CW-4/ CFAVC/MAFF/2021	The Construction of Training Building of the Provincial Agricultural Development Center (PADC), for three lots in 3 provinces, CW-4/ CFAVC/MAFF/2021 Lot 1: Takeo/08 Lot 2: Tbong Khmum/09 Lot 3: Kampong Cham/10	Revision of the BER (April)
		Communicate with MEF about the revision of BER (May)
		Follow-up with MEF on reviewing the BER <ul style="list-style-type: none"> •26 July 2021, Request NOL to ADB •30 July 2021, Received NOL from ADB •16 Aug 2021, Contract Signed PMU-MAFF with Hout Chhoeun Co., Ltd. •30 Aug 2021, Works Contraction •29 Dec 2021, Completed Works Construction
CW-19a/ CFAVC/MAFF/2021	The Supply, Installation and Commissioning of 500 units Bio digesters and 250 units of Compost Huts, CW-19a/CFAVC/MAFF/2021 Lot 1: Kampot/01 Lot 2: Takeo/02 Lot 3: Kampong Cham/03 Lot 4: Tbong Khmum/04	Revised the Bid document (May 2021)
		<ul style="list-style-type: none"> •7 May 2021, NOL by ADB •11 June 2021, Advertising Bid (Phnom Penh Post newspaper, •28 June 2021, Pre-meeting PMU with Contractors •12 July 2021, Bid Opening •17 Sep 2021, PRC Meeting to review and recommendation on BER •MEF is reviewing on BER for final approval before submit to ADB (Sep 2021).
MAFF	Consulting Service	
	Consulting Service Package 4 (CS4)- Information and Communication Technology (ICT)	Evaluation of 12 EOI for recruitment (April 2021)
		Shortlisting of qualified (May 2021)
		Answer queries from eGen about the availability. Mobilization of 3 experts in CS2 (May)
		Follow up with MEF about review report of Consulting Evaluation Committee on shortlisting for consulting services (June 2021) <ul style="list-style-type: none"> •Submit Shortlisting to ADB of Consulting firm for ICT in July 2021) •PRC-MEF is reviewing on CEC report for final shortlisting (Sep 2021).
	Mobilization national GAP Tropical Fruit Specialist (in CS 2 package)	Preparing PRC minutes for (June 2021) <ul style="list-style-type: none"> •09 July 2021, PRC of PMU-MAFF help the meeting for review and evaluate •20 July 2021, PRC of PMU-MAFF Request to ADB for mobilization and review on CV National GAP for tropical specialist and National Laboratory Coordinator
	Procurement Plan 2021 for CFAVC	Updating (in May)
MoWRAM	Civil Works	
	CFAVC-MOWRAM-TBM-CW13.1-	Construction and implementation 30 September 2021
	CFAVC-MOWRAM-TEO-CW15.1-	Under BER Extension and await for DDR approval
MRD	Civil Works	

	CW17b-CFAVC-MRD-TK3-2020	Invitation to bid 19 Mar 2021, bid opening schedule 12 May 2021, BER submitted to ADB for NOL (5 Jul-2021)
	CW17b-CFAVC-MRD-TK4-2020-	Invitation to bid 19 Mar 2021, bid opening schedule 12 May 2021, BER submitted to ADB for NOL (5 Jul-2021)
	CW17c-CFAVC-MRD-TBK-5-2020	Invitation to bid 2 June 21, bid opening scheduled 2-Jul-2021, BER submitted to ADB for NOL 29-Jul-21
	CW17c-CFAVC-MRD-TBK-6-2020	Invitation to bid 2 June 21, bid opening scheduled 2-Jul-2021, BER submitted to ADB for NOL 29-Jul-21
	CW17d-CFAVC-MRD-KC7-01-2020	Invitation to bid 2 June 21, bid opening scheduled 2-Jul-2021, BER submitted to ADB for NOL 29-Jul-21.
	CW17d-CFAVC-MRD-KC8-02-2020	Invitation to bid 2 June 21, bid opening scheduled 2-Jul-2021, BER submitted to ADB for NOL 29-Jul-21.
	CW17a-CFAVC-MRD-KP-01-2020	Invitation to bid 10 Aug 21, bid opening scheduled 9 Sept 2021, BER is being evaluated.
	CW17a-CFAVC-MRD-KP-02-2020	Invitation to bid 10 Aug 21, bid opening scheduled 9 Sept 2021, BER is being evaluated.
Total MRD	Road program 2020 (71.09) Km	Final total contract value US\$ 8,665,818.34

III.2. Disbursements, of all 3 IAs together

64. As of 30 September 2021, all three IAs together disbursed a total of USD 5,901,375 accumulatively or 4.2 % of the total cost estimated in the project, see table 22. Details for the three IAs independently are presented in Annex 7.

Table 22: Project consolidated expenditure of the three IAs during the reporting period

Expenditure	Disbursement during the Reporting Period (\$)						Cumulative Disbursement (\$)						Achievement (%) *
	A	B	C	D	E	Total	A	B	C	D	E	Total	
	Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		
Category													
Civil Works	430,217	78,328	64,759	-	-	573,305	482,847	87,031	74,940	-	-	644,818	Annex 7
Goods (Equipment & Supplies)	-	-	-	-	-	-	831,282	-	-	-	-	831,282	Annex 7
Capacity Development (Training, Workshops, Seminars)	-	-	162,467	-	-	162,467	-	-	518,859	-	-	518,859	Annex 7
Consulting Services	297,828	-	-	-	-	297,828	2,857,268	-	-	-	-	2,857,268	Annex 7
Incremental Operating Costs (Project Management)	88,348	-	-	31,873	-	120,221	647,994	-	-	401,154	-	1,049,148	Annex 7
Subtotal	816,393	78,328	227,226	31,873	-	1,153,821	4,819,391	87,031	593,799	401,154	-	5,901,375	
JFPR Total	-	-	-	-	-	-	-	-	-	-	-	-	Annex 7
GOVERNMENT	-	-	-	-	-	-	-	-	-	-	-	-	Annex 7
OTHER DONOR	-	-	-	-	-	-	-	-	-	-	-	-	Annex 7
						-						-	Annex 7
GRAND TOTAL	816,393	78,328	227,226	31,873	-	1,153,821	4,819,391	87,031	593,799	401,154	-	5,901,375	

65. The project has been awarded contracts in the amount of \$ 685,283.09 and the expenditure has been made \$ 554,573.52 which is 80.93% of amount awarded. See below table 23 of awarded contracts and expenditure.

Table 23: Project contract awarded

Category	Contracted amount	Expenditure During the Reporting Period					Cumulative Expenditure					Actual Expenditure
		ADB Loan	CGF Loan	CGF Grant	RCG	Total	ADB Loan	CGF Loan	CGF Grant	RCG	Total	%
MoWRAM												
CFAVC-KP-TR-CW2	685,283.09	426,062.23	70,126.20	58,385.07	0	554,573.52	426,062.23	70,126.20	58,385.07		554,573.5	80.93%
CFAVC-MOWRAM-TBM-CW13.1	2234441.34					0						
MAFF						0						
CW7/CFAVC/MAFF/2021	186,530.61		<ul style="list-style-type: none"> • Lot 1: 6,217.69 • Lot 2: 6,217.69 • Lot 3: 6,217.69 			0						10% for each lot
CW3a/CFAVC/MAFF/2021	1,589,932.93		<ul style="list-style-type: none"> • Lot 1: 366,834.92 • Lot 2: 352,019.30 • Lot 3: 412,637.88 • Lot 4: 458,440.83 			0						waiting PCS number for

CW4/CFAVC/MAFF/2021	282,461.93	<ul style="list-style-type: none"> • Lot 1: 9,429.07 • Lot 2: 9,295.46 • Lot 3: 9,518.66- 					0					10% for each lot
							0					
MRD							0					
CW17b-CFAVC-MRD-TK3-2020	1,243,719.86											Likely to be awarded Q4-21
CW17b-CFAVC-MRD-TK4-2020	879,298.64											Likely to be awarded Q4-2021
CW17c-CFAVC-MRD-TBK-5-2020	1,239,711.20											Likely to be awarded Q4-2021
CW17c-CFAVC-MRD-TBK-6-2020	1,444,588.37											Likely to be awarded Q4-21
CW17d-CFAVC-MRD-KC7-01-2020	1,103,011.81											Likely to be awarded Q4-21
CW17d-CFAVC-MRD-KC8-02-2020	611,183.48											Likely to be awarded Q4-21
CW17a-CFAVC-MRD-KP-01-2020	1,266,929.22											Likely to be awarded Q4-21
CW17a-CFAVC-MRD-KP-02-2020	877,375.76											Likely to be awarded Q4-21
Total MRD	8,665,818.34											

III.3. Proposed Revision of Cost Estimate

66. There have been no changes that caused a change in the budget. However, due to increase in civil work constructions under each ministry and ensuring that the construction works are of good quality, based on advice from the PMU, another four engineers are proposed to be mobilized under CS1 package (total of them will be 12, four engineers will be engaged in construction works supervision under MoWRAM, other four will do construction work supervision under the MRD and the last four will engage in construction work supervision under MAFF).
67. Based on discussion with the PPIUs in both Kampot and Takeo provinces, in order to improve the agricultural value chain activities in the two province, it is required for the new construction of mechanization engineering workshop in Takeo provinces, instead of provision of office stationery & tools to the existing facility. And new construction of Training building in Kampot province, instead of renovation of the existing PPIU office. This obviously requires additional funding until the end of the project.

IV. Project Purposes

IV.1. Status of Project Scope/Implementation Arrangements

68. The scope of the project has not changed compared with those in the project documents, the loan agreement, the PAM and the Report and Recommendation of the President to the Board of the Directors.
69. The project supports the implementation of the government's Agriculture Sector Strategic Development Plan, 2014–2018 and the Industrial Development Policy, 2015–2025 aimed at improving the competitiveness of agricultural value chains in Kampong Cham and Tbong Khmum provinces along the Greater Mekong Sub-region (GMS) southern economic corridor, and Kampot and Takeo provinces along the south-coastal economic corridor. The project will boost the climate resilience of critical agricultural infrastructure and help commercialize rice, maize, cassava, and mango production. It will help increase crop productivity and diversification; improve the capacity for storage, processing, and quality and safety testing; and promote the use of solar and bioenergy. It will strengthen the technical and institutional capacity for climate-smart agriculture (CSA) and create an enabling policy environment for climate-friendly agribusinesses. This will in turn promote long- term environmental sustainability and enhance the profitability for farmers and agribusinesses.
70. The project is implemented by MAFF, MOWRAM and MRD and supported by five Consultancies Services Packages (see table 24 below). All of the IAs, are actively involved, while the mobilization of CS3 and CS4 has been delayed. The International Rice Research Institute (IRRI) that should be recruited under CS 3 has not signed its contract with CARDI. IRRI is to assume the responsibility for (a) climate resilient maize and rice variety development, trials, demonstrations in collaboration with IRRI; (b) seed production, multiplication and distribution, and (c) commercialization of the seed business. Their delay may imperil these outputs.
71. Another issue to date that has remained unsolved is the responsibility for the 800 on-farm rainwater harvesting ponds and 15 drip demonstrations for mango farms; According to the PAM these were assigned to the PDAFF with technical support from MAFF's Dept. of Agricultural Engineering (PAM, p. 9). However, MOWRAM strongly feels that these activities are belonging to their realm. At the time of preparation of this report, Govt. decisions were being awaited.
72. According to the PAM, five Consultants Service packages were to be procured. To date Package 3 and 4 are still in the process of being procured (see table 24), even though the recruitment of CS4 is progressing well (see also Section 14 above). It is however recommended that procurement of CS3 be accelerated

Table 24 Consultants Service Arrangements

Consulting Services Packages		Tasks	Status as per 30/September /2021
CS1	Project Implementation Consultants	General Support to Project Implementation, Gender, Environment, Social Safeguards Screening, Review of DED and FS Procurement and Financial Management	Mobilized Late October 2019
CS2	Capacity Building and Climate Smart Agribusiness,	Prepare/Implement all capacity building/training, climate smart and agribusiness activities	Mobilized Mid-September 2019
CS3	Variety Development	Support in development of new rice and maize varieties	Being procured
CS4	Information Communication Technology Platform	ITC support for development of forecasts for weather and agricultural commodities	Being procured
CS5	Feasibility Study and Detailed Design	For Irrigation and Road projects prepare Feasibility Studies, including all social safeguards screening reporting, DED and tender documents	Mobilized Early November 2019 and was demobilized on 01 April 2021. The CS5 team under the MRD was remobilized on 01 July 2021, and the CS5 team under MoWRAM is under the process consultant mobilization. The PRC report of CS5 team under MRD and CS5 team under MOWRAM is under reviewing by MEF

IV.2. Likelihood of Achievement of the Project Outcome(s) and Remedial Measures

73. At this stage it is still too early to say whether or not the project outcomes will be accomplished. On the one hand there are delays in delivery of the activities, (partly due to the Covid-19 pandemic) that may imperil the project outputs and outcomes.
74. On the other hand, it is recommended that after re-mobilization of CS5 both under MoWRAM and MRD, the teams will come back in a strengthened fashion with a higher capacity in the field of infrastructure design for irrigation subprojects and roads. If this will be the case, and the project capacity in the field of social safeguards is also enhanced with the mobilization of SS experts under the two CS5 packages⁸ (MoWRAM and MRD) and mobilization of another four engineers, then the project's infrastructures implementation will gain its momentum.

IV.3. Changes to the Key Assumption and Risks

75. The risks for the project implementation have been well managed (see Table 25).

Table 25: Summary of Risks and Mitigating Measures

Risks	Mitigating Measures	Status as per 30/September 2021
1	2	3
Declining demand for Cambodian products because of competition from external	The project will promote awareness of farmers, cooperatives, and agribusinesses on export standards	Demand has not declined because of external markets but internally (due to Covid 19, and

⁸ It is of utmost important that the roles and responsibilities among the SS experts under CS5 and CS 1 should be clearly defined.

Risks	Mitigating Measures	Status as per 30/September 2021
markets and stringent requirements for quality and safety from importing countries	and ways to compete with external markets and strengthen their capacity for quality and safety testing in line with the requirements of importing countries.	an oversupply, the mango price has dropped considerably), Mitigating measures (in col 2) should be implemented.
Capacity constraints for infrastructure design and procurement	The project will train focal points from the technical departments of implementing agencies on procurement, contracting, and monitoring of subprojects, and compliance with climate standards.	CS 5 does not have enough capacity; its rearrangement with sufficient design engineers under MoWRAM and MRD
Climate change impacts may adversely impact project investments	The project will make sure to incorporate locally appropriate adaptation measures in the design of infrastructure funded by the project.	The Feasibility Studies and DED that have been completed took climate change adaptation in to consideration
Limited attention to O&M of agribusiness infrastructure	The project will highlight the importance of O&M through institutional arrangements, capacity building, financing, and technical measures. Subprojects will develop realistic and technically viable O&M plans. Adaptation measures will contribute to lower O&M costs.	The project has placed emphasis on training of FWUC and AC members in Operations and Maintenance, Leadership of infrastructures funded by the project.

O&M = operation and maintenance. Source: Column (1) and (2): Asian Development Bank, DMF (and RRP, p. 10)

IV.4. Other Project Developments

76. The following developments will have an impact on the project's performance

- a) It was the original intention that MoWRAM and MRD would design the infrastructures and that CS5 would only provide technical support. During project implementation it appeared that MoWRAM and MRD don't have sufficient capacity for these activities. Consequently, the role of CS 5 changed accordingly, but without additional resources and capacity.
- b) The demobilization of CS 5 in April by project management has caused a standstill of role sub-project's feasibility studies and detailed engineering design. However the remobilization of CS5 was resumed under the MRD on 1st July 2021 and under MoWRAM is under the process of consultant mobilization.
- c) It is therefore recommended that a re-mobilized CS5 will have to be resumed as soon as possible,
- d) Due to the Covid – 19 crisis there has not been any ADB supervision mission this year, which has also lead to a lack of approval of the project AWPB 2021.

V. Implementation Arrangement

77. A report on the safeguard tracking indicators is presented in Annex 8. Additionally, it is recommended to add two more safeguard specialist under CS1 package in order to enhance the capacity of social safeguards screening and implementation. However as the new formulated CS5 team under both ministries mobilize their own safeguards, the two SS experts under CS1 are not proposed, but the SS expert roles and responsibilities of the safeguard experts among CS1 and CS5 should be clearly defined. The number of feasibility studies will thus also be increased. A constraint that is becoming more visible is MRD's and MoWRAM's limited design capacity. However after re mobilization of CS5 team under the MRD has gained back the design momentum for the road sub-projects. For MoWRAM even is in the process of consultant mobilization, some of the contractual works are under

progressed with the support from CS1, and those contractual works such as signing contracts for conducting the topographical survey for the irrigation subprojects planned in 2021 and in 2022. It is recommended to speed up the remobilization of CS 5 under MoWRAM that will speed up to complete the design of the irrigation subprojects.

VI. CONSULTING SERVICES AND PROCUREMENT OF GOODS AND WORKS

78. Current procurement activities have been discussed in Chapter III above and Annex 6. In order to accelerate project implementation, it is recommended that CS2 mobilizes all experts and that MAFF completes the procurement of CS3 and CS4. Apart from the demobilization of CS 5, during the third quarter of the year, there have not been any staff replacements. The mobilization schedule has been included as Annex 9

VI.1. Recruitment and Performance of Consultants

79. As mentioned before, during Q3/2021 there has been no replacement of experts. The mobilization details since the start of the projects are presented in Annex 9.

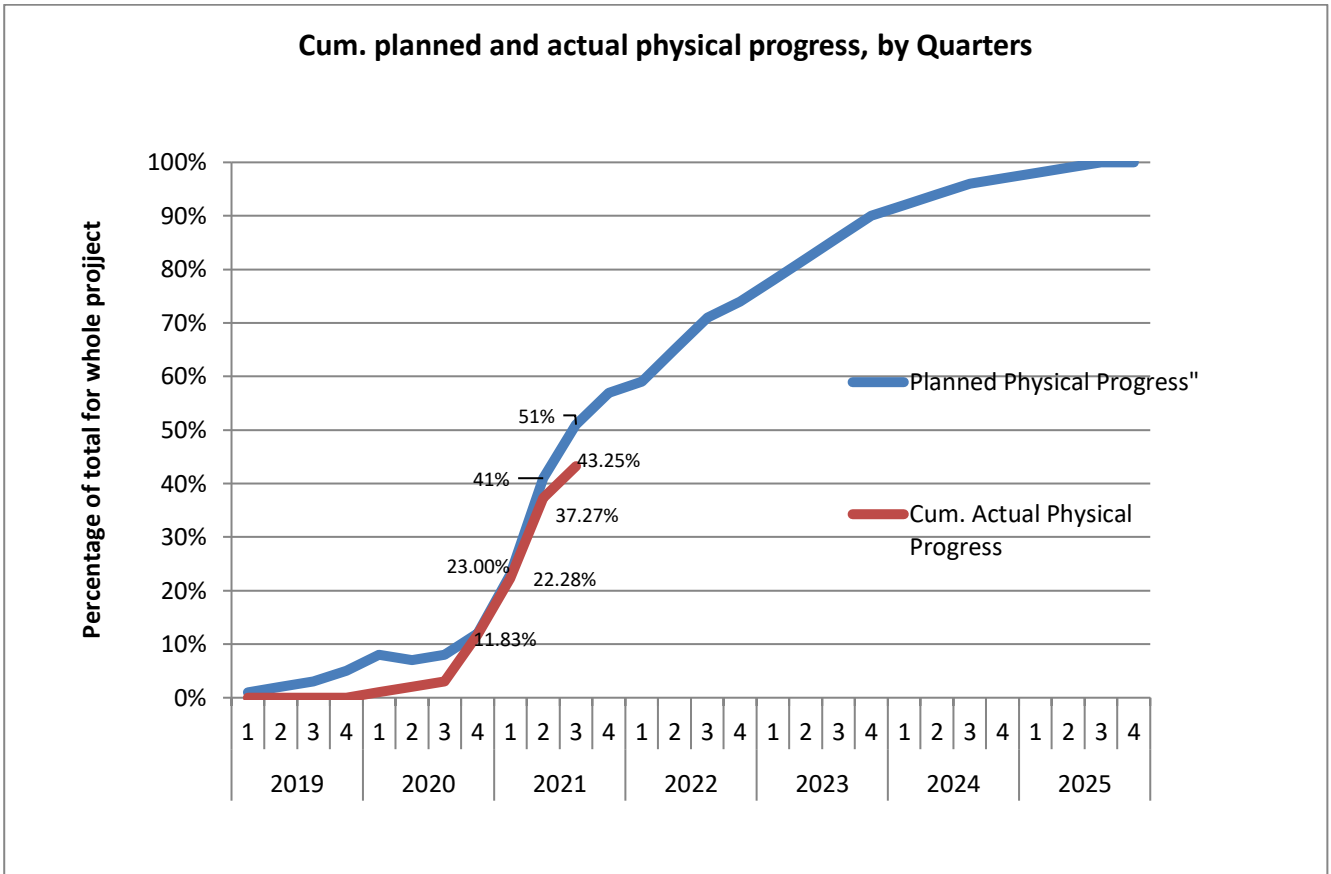
VI.2. Procurement of Good and Works and Performance of Suppliers, Manufacturers, and Contractors

80. The ongoing and completed procurement of civil works and consultancies have been conducted according to the regulations of the RGC. Both ADB and MEF have provided useful support.

VII. ASSESSMENT OF PROJECT PROGRESS

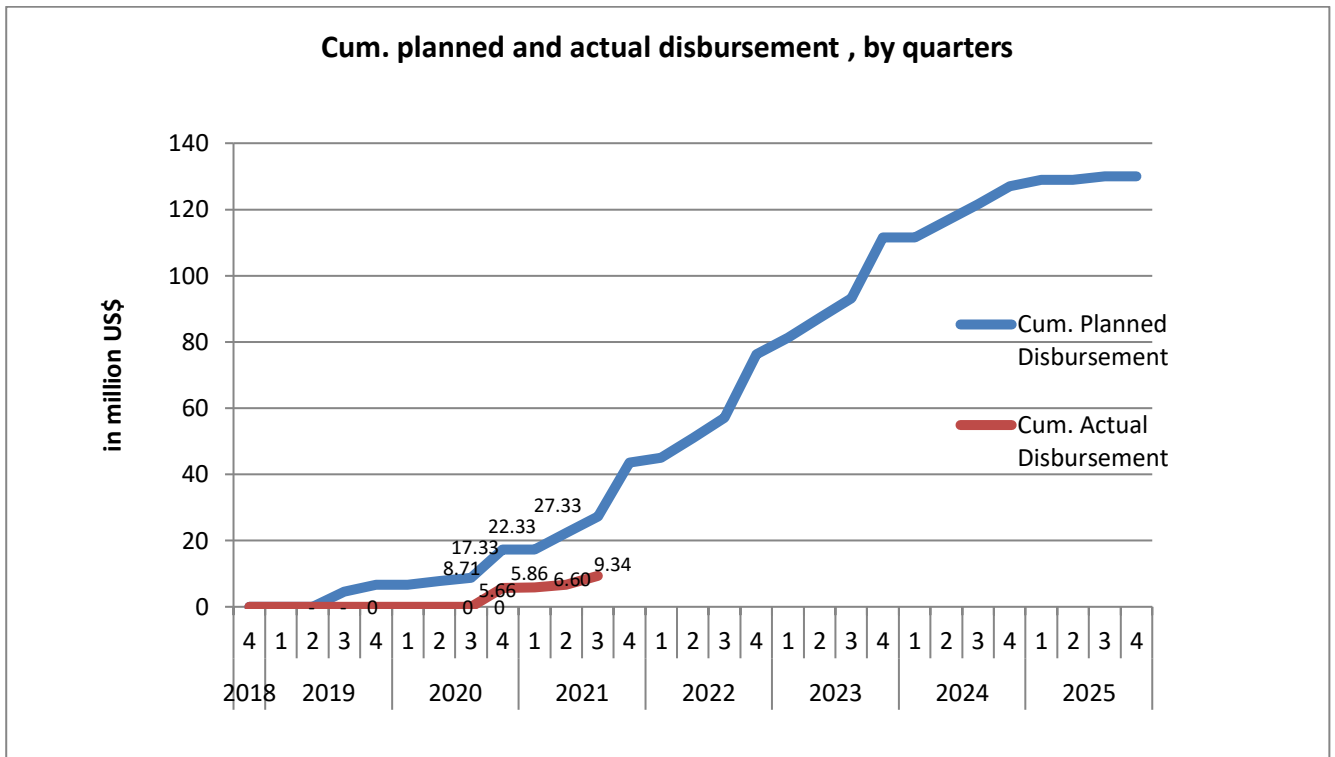
81. During the reporting period, the project has been considerably lower than the planned progress (see Figure 13 and Figure 14). However, the physical progress is improving slightly (as far as Output 1 is concerned). Nevertheless, the progress in Output 1, which accounts for 65 % of the project's total physical output, would have been higher if the project capacity in safeguards (CS1) and design team (CS5) would have been higher too.

Figure 13. Cumulative planned and actual physical progress (as a percentage of the end of project targets)



- 82. The gap between planned and actual disbursement has been widening. At the end of Q1/2021, the project had disbursed USD 5.86 million against a plan of 17.33 million, while on 30 June 2021 it had spent 6.60 million accumulatively compared with an accumulative plan of 22.33 million.
- 83. The accumulative disbursement in Q3 amounts to USD 9.34 Million compared with its accumulative planned of USD 27.33 Million, which was 21.46% of the total annual planned budget for 2021. The main reason for this gap is the delay in construction activities that were supposed to have gained momentum in 2021, while the limited capacity in safeguards and design delayed this most costly activity of the project, and the teams were also busy in preparing the AWPB 2022.
- 84. The limited construction activities are also the reason why the physical progress S-Curve (Figure 13) shows a different pattern than the disbursement S-Curve (Figure 14).

Figure 14: Cumulative planned and actual disbursement*, by quarters (for whole project and all sources of funding)



Note: * disbursement is expenditure + advances paid

VIII. Assessment of the Validity of Key Assumptions and Risks

85. As discussed above, the key assumptions and risks remain valid

IX. Safeguards and Gender Progress and Compliance³

IX.1. Social safeguard document preparation and submission status

IX.1.1. Social Safeguarded Implementation Progress

86. The safeguard documents preparations as of reporting period for the subprojects under MoWRAM are as following:

- a) The DDR for the Trapeang Run irrigation subproject was cleared by both the ADB and the third party, see Annex 10.1.
- b) The DDR under contract package MOWRAM-CFAVC-TBM-CW13.1, consisting of two irrigation subprojects (Tumnuop Kbal Teuk and Tuol Pring reservoir) was submitted by the MoWRAM PMU to the ADB on 3rd week of June 2021 for disclosure. The report was get NOL from the ADB and was uploaded into the ADB web site on July 2021, Annex 10.1.
- c) The DDR for the two irrigation subprojects Prey Kdouch and Kraing Ampil reservoirs under contract package MOWRAM-CFAVC-TEO-CW15.1 is under the process of final reviewing by the Independent Third Party and the report was submitted to the ADB for final verification and commenting since 2nd week of Oct 2021, Annex 10.1.
- d) The survey (SES/RCS) for the Pram Kumpheak and O Kamprok irrigation sub-projects under contract package MOWRAM-CFAVC-KPC-CW14.1 were progressed about 50% completed. The two sub-projects are classified as category C, which require for the preparation of the DDR, (Annex 10.1). The DDR for the two irrigation subprojects are under the preparation process and it is expected to be submitted to the ADB on early Dec 2021, (Annex 10.1).

87. During the reporting period, works which were achieved under the MRD for the Social Safeguard are as following:
- Two road subprojects, under package names, CW17b-CFAVC-MRD-TK3-2020 (Lot 1), covering road length of 10 km and CW17b-CFAVC-MRD-TK4-2020 (Lot 2), covering road length of 4.67 km, the LARPs for the two sub-projects were submitted by the GDR/MEF to the ADB at the end of June 2021. The report was then approved by the ADB on 2nd week Sep 2021 and was uploaded into the ADB web site on same date. (Annex 10.2)
 - The two road subprojects under contract packages CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1) Covering road length of 9.77 km and contract package CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2) covering road length of 12 km are under the process of defining categorization. They are expected to be submitted to the ADB for approval as well as for ITP clarification by next Semi Annual Monitoring Report (Jul-Dec 2021). (Annex 10.2)
 - Two road subprojects under contract package CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1) Covering road length of 9.88 km and CW17d-CFAVC-MRD-KC8-01-2020 (Lot 2), covering road length of 4.72 km, the impact assessments and the subproject categorization were done and they both are classified as category B. And they are now under the process of DRP/LARP preparations.(Annex 10.2)

IX.1.2. Progress in Project Consultation, Participation, and Information Disclosure

88. So far public consultations were conducted for the irrigation subprojects under MoWRAM are as following:
- A total of six (6) public consultation meetings were conducted within the irrigation subproject under contract package CFAVC-KP-TP-CW2, covering one subproject (Trapeang Run). 63 participants were attended into the meetings, and 25 of them are female, (see table 26). 31 landowners and 26 non-titled landowners in the reservoir area were attended into the meeting.
 - Two public consultations were conducted for the two irrigation subprojects under contract package MOWRAM-CFAVC-TBM-CW13.1 (Tumnup Kbal Teuk and Tuol Pring Reservoirs) and the public consultations were conducted on 02 June 2020, and on 25 Dec 2020 respectively (table 26).
89. For the road subprojects under the MRD, three public consultations were conducted as following:
- One public consultation was conducted for the road subproject under package CW17b-CFAVC-MRD-TK3-2020 (Lot 1), and the meeting was conducted on 12th Jan 2021. 76 participants were attended into the meeting and 23 of them are female.
 - Two other public consultations were conducted for the two road sub projects under contract packages CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1) and CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2) on 18th Feb 2020, more details see table 27. 64 participants were attended into the meeting, and 17 of them are female.
90. For the subprojects under MAFF, public consultations were conducted for the 20 AC warehouses as presented in table 28.
91. During the SES survey and public consultation meetings it was observed that there is no indigenous peoples/Ethnic minority groups are living within the subproject areas.

Table 26: Social safeguard public consultations for subprojects under MoWRAM

Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/ Package	Command area, ha	Public consultations	Remarks
1	2	3	4	5	6	7	8	9	10

1. Plan for Project Feasibility study and Detailed Engineering Design in 2020									
2020	CFAVC-KP-TP-CW2	Kam pot	Tani	Angk or Chey	Trapea ng Run	1	100	Full consultation with landowners and other non-titled affected people were conducted and it was conducted with participation of 31 landowners and 26 non-titled landowners within the reservoir area. A total of six (6) public consultation meetings were conducted with 63 participants, out of which 25 were female participants.	
	MOWRAM-CFAVC-TBM-CW13.1	Tbon g Khm um	PREAS H THEAT	Ou Rain g Ov	Tumnu p Kbal Teuk	3	250	1st meeting was planned on 02 June 2020 from 09:00 – 11:00 AM in at village Chief's house, located in Kbal Toeuk village, Preah Theat Commune, O' Rang Ouv district, Tbong Khmum province. And 2nd meeting was conducted on 25 Dec 2020 at Chikor commune office of Tbong Khmum district. 108 persons were attended into the meeting and 39 of them are female.	irrigation subprojects Kbal Toeuk (445 ha) Toul Pring (100 ha)
			Chikor	Tbon g Khm um	Tuol Pring Reserv oir		100		
			Thmor Pich	Tbon g Khm um	Trapea ng Tros Reserv oir		350		
	MOWRAM-CFAVC-TEO-CW15.1	Take o	Trapain g Kra Nhoung	Tram Kak	Prey Kdouch Reserv oir	2	550		
			Trapain g Kra Nhoung	Tram Kak	Kraing Empil Emban kment		200		
	MOWRAM-CFAVC-KPC-CW14.1	Kam pong Cham	Svay Teap	Chamkal er	Pram Kumph eak	2	900		
			Preach Andong	Stoe ng Tron g	O Kampr ok		350		

	MOWRAM-CFAVC-KPT-CW12.1	Kam pot	Srae Khnung	Chuo m Kiri	Takou ch (Prey Takoch)	1	450			
Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of						9	3,250			
2. Plan for Project Feasibility study and Design in 2021										
2021	MOWRAM-CFAVC-TBM-CW13.2	Tbon g Khm um	Chhouk	Krou ch Chm ar	Tbon g Damrei Reserv oir	2	600			
			Seda	Dam bae	Kampo ng Raing Feedin g Canal		250			
	MOWRAM-CFAVC-TEO-CW15.2	Take o	Phnom Den	Kirivo ng	Chrouk 1 + Phlov Touk	3	800			
			Prey Yuthkar	Koh Ande t	Kwaen g Tayee		468			
			Prey Romden g	Kirivo ng	Prey Romde ng Canal		510			
	MOWRAM-CFAVC-KPC-CW14.2	Kam pong Cham	Cheung Prey	Bath eay	Pou Tatress	1	950			
	MOWRAM-CFAVC-KPT-CW12.2	Kam pot	Sathpon g/ Tramen g/ Baniev	Chho uk	Trapea ng Boeung	2	800			
			Kandorl	Teuk Chho u	Kandorl		650			
	Plan for rehabilitation in year 2021 consisting of 4 Packages covering command area of						8	5,028		
	2022	MOWRAM-CFAVC-KPC-CW14.3	Kam pong Cham	Krouch	Prey Chho r	Teuk Cha East	2	1,400		
Beung Nay				Prey Chho r	Teuk Cha West	1,400				
MOWRAM-CFAVC-TBM-CW13.3		Tbon g Khm um	Teuk Chrov	Dam bae	Choam Taheun g	2	1,500			
			Thmar Pich	Tbon g Khm um	Trapain g Ampil		200			
MOWRAM-CFAVC-TEO-CW15.3		Take o	Kampen g	Kirivo ng	Pou Tasuy Reserv oir	6	440			

			Prey Romdenng	Tram Kak	O' Rumdo ul Reservoir		210		
			Samraong	Tram Kak	Sdok Sab		300		
			Kropum Chhouk	Koh Andet	Pralay 85		850		
			Rominh	Koh Andet	Pralay 42 (pumping Station)		650		
			Soam	Kirivong	Soam Canal		400		
	MOWRAM-CFAVC-KPT-CW12.3	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	1	70		
Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of						11	7,420		
Total irrigation planned to be studied within 3 years period is 32 irrigation schemes and total of						28	15,698		
This was different from my submission version in Aug MPR, why?									

Table 27: Social safeguard public consultations for subprojects under MRD

No.	Package Name	AC Name	Province	Commune	District	Road Length (km)	Public consultations	Remarks
1	2	3	4	5	6	8	8	11
Road sub-projects planned in 2020								
1	CW17a-CFAVC-MRD-KP-01-2020 (Lot 1)	Raksmei Samaky Amatak	Kampot	Chres	Chum Kiri	11.94		
2	CW17a-CFAVC-MRD-KP-02-2020 (Lot 2)	Kasikor Samaki Rungreung		Srae Chaeng	Chum Kiri	8.1		
3	CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Lom Pung Samaky	Takeo	Lumpong	Bati	10.01	On 12th January 2021, at 08:30 AM at Lumpong commune, Bati District Takeo Province with total of 76 participants which comprise 23 female participants.	Rural Road improvement (DBST) Takeo province 14.67 km) 2 Lots
4	CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Sdok Sdam		Taing Yab	Prey Kabas	4.67		

5	CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1)	Dambe Rung Roeung		DamBae	DamBae	9.77	1st meeting as planned on 18 th February 2020, at 08:30 – 10:30 AM at Dambae Commune's Office, in Dambae Commune, Dambae district, Tbong Khmum province	
6	CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2)	Kdei SangKhoem Kasekar	Tbong Khmum	Toul Snoul	Krouch Chhmar	12	The 2nd meeting was conducted on 19 February 2020 at Toul Snoul Commune Office of Toul Snoul commune of Tbong Khmum district Two public consultation meetings were conducted with 64 participants, 17 females	Rural Road improvement (DBST) Tbong Khmum province (21.83 km) 2 Lots
7	CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1)	Sombo Meanchey	Kampong Cham	Soupeas	Stueng Trang	9.88		
8	CW17d-CFAVC-MRD-KC8-02-2020 (Lot 2)	Stung Trang Senchey		Soupeas		4.72		
Plan for rehabilitation in year 2020 of 4 Packages Road sub-projects with Length of						71.09		
Road sub-projects planned in 2021								
9	CW17a-CFAVC-MRD-KP-01-2021	Sen Han Cham Reoun Phal	Kampot	Samrong Leu	Banteay Meas	5.31		
10	CW17a-CFAVC-MRD-KP-02-2021	Ratanak Pulrath Samaki		Damnak Sokrom	Dang Toung	6.44		
11	CW17a-CFAVC-MRD-KP-03-2021	Preykrang Meanrit		Mean Rith		6.9		
12	CW17a-CFAVC-MRD-KP-04-2021	Samaki Amatak		Srae Khnoung	Chum Kiri	3.83		
13	CW17b-CFAVC-MRD-TK01-2021	Kampeng Sok Sen Sambo	Takeo	Kampeng	Kirivong	5.4		
14	CW17b-CFAVC-MRD-TK02-2021	Samaky Trapeang Kralanh		Ou Saray	Tram Kak	8.25		
15	CW17b-CFAVC-MRD-TK03-2021	Bak Sey Rik Ray		Cheang Tong	Tram Kak	5.8		

16	CW17b-CFAVC-MRD-TK04-2021	Samaki Trapeang Chak		Trapeang Chak	Tramkak	3.4		
17	CW17b-CFAVC-MRD-TK05-2021	Trapeang Srangae		Trapaing Srangae	Tramkak	4.05		
18	CW17c-CFAVC-MRD-TBK-01-2021	Sammaky Meanchey	Tbong Khmum	Chak	Ou Reang Ov	8.15		
19	CW17c-CFAVC-MRD-TBK-02-2021	Lngieng Meamchey		Lngieng	Tbong Khmum	5.5		
20	CW17c-CFAVC-MRD-TBK-03-2021	Samaki Kak		Kak	Tbong Khmum	4.9		
21	CW17c-CFAVC-MRD-TBK-04-2021	Baitong Korksrok		Kok Srok	Dombae	2.98		
22	CW17c-CFAVC-MRD-TBK-05-2021	Akphiriek Ponhea Kraek Dambae		Koang Kang	Ponhea Kraek	1.3		
23	CW17c-CFAVC-MRD-TBK-06-2021	Ponhea Kraek Rongroeng		Koang Kang	Ponhea Kraek	3.8		
24	CW17c-CFAVC-MRD-TBK-07-2021	Popel Meanchey		Popel	Ponhea Kraek	2.82		
25	CW17d-CFAVC-MRD-KC-01-2021	Akphivath Multhan Yeung		Kampong Cham	Taing Krasang	Batheay	3.93	
26	CW17d-CFAVC-MRD-KC-02-2021	Akpiwat Kaksekor	So Saen		Prey Chhor	5.5		
27	CW17d-CFAVC-MRD-KPC-03-2021	Ponluk Thmey	Peam Chi Kang		Kang Meas	5.04		
28	CW17d-CFAVC-MRD-KC-04-2021	Sammaki Baray Angdong Ang	Baray		Prey Chhor	7.77		
Plan for rehabilitation in year 2021 of 6 Packages Road sub-projects with Length of						101.07		
Road sub-projects planned in 2022								
29	CW17b-CFAVC-MRD-TK1-2022	Sensok Toek Thla	Takeo	Trapaing Krasaing	Bati	7.33		
30	CW17b-CFAVC-MRD-TK2-2022	Phum Bey Meanchey		Kiri Chong Kaoh	Kirivong	1.5		
31	CW17b-CFAVC-MRD-TK3-2022	Phum Bey Samaky		Krapum Chhouk	Kaoh Andaet	0.55		
32	CW17b-CFAVC-MRD-TK4-2022	Champa Prey Phdav		Champa	Prey Kabas	3.8		
33	CW17b-CFAVC-MRD-TK6-2022	Rolous Meas		Thlea Prochum	Kaoh Andaet	6.28		
34	CW17b-CFAVC-MRD-TK7-2022	Samaky Amatak Khvav		Khvav	Samrong	7		
35	CW17b-CFAVC-MRD-TK8-2022	Cheung Kuon Choukchey		Cheung Kuon	Samrong	4.4		
36	CW17b-CFAVC-MRD-TK9-2022	Punleu Kasikar		Boeung Tranh Khang Cheung	Samrong	7.5		

37	CW17c-CFAVC-MRD-TBK-01-2022	Seda Meanchey	Tbong Khmum	Dambae	DamBae	13.10		
38	CW17c-CFAVC-MRD-TBK-02-2022	Kaksekor Dambae		Tuek Chrov	DamBae	17		
39	CW17c-CFAVC-MRD-TBK-03-2022	Romdoul Dountei		Doun Tei	Ponhea Kraek	14.84		
40	CW17c-CFAVC-MRD-TBK-04-2022	Lngieng Meanchey		Lngieng	Tbong Khmum	9.65		
41	CW17d-CFAVC-MRD-KC-01-2022	Toul Preah Vihea	Kampong Cham	Sompong Chey	Cheung Prey	5.80		
42	CW17d-CFAVC-MRD-KC-02-2022	Reamea Cheung Prey		Pdau Chum		3.75		
Plan for rehabilitation in year 2022 of 6 Packages Road sub-projects with Length of						79.85		
Total road planned to be studied within 3 years period is 48 lines and total of						252.01		

Table 28: Social safeguard public consultations for subprojects under MAFF (20 AC locations)

No	Briefing on Consultation carried out at each AC location	Provinces	Date of consulting
1	Stoeung Trang Senchey- AC	Kampong Cham	26 Nov, 2019 (Morning)
2	SamBou Mean Chey- AC		26 Nov, 2019 (Afternoon)
3	Akpiwat Srok Yoeung - AC		27 Nov, 2019 (Morning)
4	Akpiwat MoulThan Yoeung - AC		27 Nov, 2019 (Afternoon)
5	Ponlork Thmei - AC		28 Nov, 2019 (Morning)
6	Ratanak Pol Roth Samaki - AC	Kampot	On 27 Oct, 2020 (Morning) met with representatives of
7	PreyKraing MeanRith - AC		On 27 Oct, 2020 (Afternoon) met with representatives of
8	Kasikor Samaki Rung Roeung - AC		On 28 Oct, 2020 (morning) met with representatives of
9	Samaki Amatak - AC		On 28 Oct, 2020 (Afternoon) met with representatives of
10	Sen Han Chamrean Phal - AC		On 29 Oct, 2020 (Morning) met with representatives of
11	Samaki Kok - AC	Tbong Khmum	20 Apr, 2020 (Afternoon)
12	Pon NheKrek Rung Roeung - AC		21 Apr 2020 (Morning)
13	Samaki Dombe - AC		22 Apr 2020 (Morning)
14	Dombe Rung Roeung - AC		23 Apr 2020 (Morning)
15	Khdei SangKhoem Kasikor - AC		23 Apr 2020 (Afternoon)
16	Trapeang KraNhuong - AC	Takeo	08 Apr, 2020 (Morning)
17	Samaki Trapeang Kralanh - AC		08 Apr, 2020 (Afternoon)
18	Kampeng Sen Sambou - AC		09 Apr, 2020 (Morning)
19	Sdok Sdom - AC		09 Apr, 2020 (Afternoon)
20	Stoeung Sla Kou - AC		10 Apr, 2020 (Morning)

IX.2. Environmental safeguard IEE preparation and submission status

IX.2.1. Environmental Due Diligence Progress

92. The activities progress as of reporting period for the Environmental Safeguard under MoWRAM were as following:

- a) Conducting the final environmental monitoring for the Trapeang Run irrigation subproject and the final monitoring activities were done from 4-5 August 2021, at the time of the completion of the construction works of the irrigation subproject.

- b) Preparation of the IEE reports for the Pram Kumpheak and O Kamprok irrigation subprojects under contract package number MOWRAM-CFAVC-KPC-CW14.1 and the preparation of the IEE report for the Takoch irrigation sub-project under package number: MOWRAM-CFAVC-KP-CW12.1). The draft IEE report preparation for the three irrigation subprojects under the package was 100% completed. The report was submitted to the TL/DTL and the International Environmental Specialist on 28 Sep 2021 for reviewing (Annex 11.1 of Annex 11).
- c) Preparation of the IEE report for the irrigation subproject under package MOWRAM-CFAVC-KPT-CW12.1, covering one irrigation subproject, Prey Takoch reservoir. The draft report preparation is of about 35% completed.
93. The activities progresses as of reporting period for the Environmental safeguard under the MRD were the preparation of the IEE reports for the following road sub-projects under packages, CW17a-CFAVC-MRD-KP-01-2021, CW17a-CFAVC-MRD-KP-02-2021, CW17a-CFAVC-MRD-KP-03-2021, CW17a-CFAVC-MRD-KP-04-2021, CW17b-CFAVC-MRD-TK01-2021, CW17b-CFAVC-MRD-TK02-2021, CW17b-CFAVC-MRD-TK03-2021, CW17b-CFAVC-MRD-TK04-2021, CW17b-CFAVC-MRD-TK05-2021, CW17c-CFAVC-MRD-TBK-01-2021, CW17c-CFAVC-MRD-TBK-02-2021, CW17c-CFAVC-MRD-TBK-03-2021, CW17c-CFAVC-MRD-TBK-04-2021, CW17c-CFAVC-MRD-TBK-05-2021, CW17c-CFAVC-MRD-TBK-06-2021, CW17c-CFAVC-MRD-TBK-07-2021, CW17d-CFAVC-MRD-KC-01-2021, CW17d-CFAVC-MRD-KC-02-2021, CW17d-CFAVC-MRD-KPC-03-2021, CW17d-CFAVC-MRD-KC-04-2021. And the draft IEE report preparations for these road sub-projects were completed about 25%, covering road length of about 101.07 km, (Annex 11.2 of Annex 11).
94. The Semi-annual safeguard monitoring report 2020 (SEMR#1) was approved by the ADB on 10 September 2021, and the report was endorsed by the PMU and was submitted to the ADB for uploading into the ADB website.
95. The Semi-annual Environmental safeguard monitoring report for January – June 2021 was prepared and was approved by the ADB on 30 Sep 2021. The report has been submitted to the PMU on 01 Oct 2021 for disclosing into the ADB website.

IX.2.1. Progress and Status of EMP Implementation

96. To date construction only commenced in one scheme, for Trapeang Run irrigation subproject, where the EMP is well being followed (see Table 28).

IX.2.2. Progress in Project Consultation, Participation, and Information Disclosure

97. During Q3/2021 public consultation meetings were held for the environmental safeguard are as following:
- a) For the irrigation subprojects under contract packages MOWRAM-CFAVC-KPC-CW14.1, covering two subprojects, Pram Kumpheak and O Kamprok, the consultation meetings were held from 07-09 Sep 2021 (table 28').
- b) Another public consultations were held from 15-16 Sep 2021 for the irrigation subproject package MOWRAM-CFAVC-KPT-CW12, covering one irrigation subproject, Takouch reservoir (table 28').

Table 28' - Public consultation meetings of Environmental safeguards, from 07-09 Sept, and 15-16 Sept 2021.

No	Subproject Package No	Public Consultation	IEE	EMP	Remarks
1	Trapeang Run irrigation				The monitoring for civil work was conducted on 2 nd April 2021

No	Subproject Package No	Public Consultation	IEE	EMP	Remarks
2	MOWRAM-CFAVC-KPC-CW14.1	07-09 September 2021	100% drafting completed	100% drafting completed	For two irrigation subprojects (Pram Kumpheak and O Kamprok)
3	MOWRAM-CFAVC-KPT-CW12.1	15-16 September 2021	35% drafting completed	35% drafting completed	For Tomnup Takoch irrigation subproject
4	CW17a-CFAVC-MRD-KP-01-2021 (Package No.5)		25% drafting completed	25% drafting completed	The IEE/EMP for rural road subprojects planned 2021 in four target provinces (Kampot, Takeo, Tbong Khmum and Kampong Cham) has been drafted as Master IEE/EMP, which was recommended by Project Director of MRD as well as Project Manager of MRD.
5	CW17a-CFAVC-MRD-KP-02-2021 (Package No.9)				
6	CW17a-CFAVC-MRD-KP-03-2021(Package No.9)				
7	CW17a-CFAVC-MRD-KP-04-2021 (Package No.5)				
8	CW17b-CFAVC-MRD-TK01-2021(Package No.10)				
9	CW17b-CFAVC-MRD-TK02-2021(Package No.6)				
10	CW17b-CFAVC-MRD-TK03-2021(Package No.6)				
11	CW17b-CFAVC-MRD-TK04-2021(Package No.10)				
12	CW17b-CFAVC-MRD-TK05-2021(Package No.10)				
13	CW17c-CFAVC-MRD-TBK-01-2021 (Package No.7)				
14	CW17c-CFAVC-MRD-TBK-02-2021 (Package No.7)				
15	CW17c-CFAVC-MRD-TBK-03-2021 (Package No.11)				
16	CW17c-CFAVC-MRD-TBK-04-2021 (Package No.7)				
17	CW17c-CFAVC-MRD-TBK-05-2021 (Package No.11)				
18	CW17c-CFAVC-MRD-TBK-06-2021 (Package No.11)				
19	CW17c-CFAVC-MRD-TBK-07-2021 (Package No.11)				

No	Subproject Package No	Public Consultation	IEE	EMP	Remarks
20	CW17d-CFAVC-MRD-KC-01-2021 (Package No.12)				
21	CW17d-CFAVC-MRD-KC-02-2021 (Package No.12)				
22	CW17d-CFAVC-MRD-KPC-03-2021 (Package No.8)				
23	CW17d-CFAVC-MRD-KC-04-2021 (Package No.8)				

98. There is no public consultation was held for the road subprojects under the MRD during the reporting period, see table 30.

Table 29: Environmental Public consultations for subprojects under MoWRAM

Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/Package	Command area, ha	Public consultations	Remarks
1	2	3	4	5	6	7	8	9	
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020									
<u>2020</u>	CFAVC-KP-TP-CW2	Kampot	Tani	Angkor Chey	Trapeang Run	1	<u>100</u>		The monitoring for civil work was conducted on 2nd April 2021
	MOWRAM-CFAVC-TBM-CW13.1	Tbong Khmum	PREASH THEAT	Ou Raing Ov	Tumnup Kbal Teuk	3	<u>250</u>		
			Chikor	Tbong Khmum	Tuol Pring Reservoir		<u>100</u>		
			Thmor Pich	Tbong Khmum	Trapeang Tros Reservoir		<u>350</u>		
	MOWRAM-CFAVC-TEO-CW15.1	Takeo	Trapaing Kra Nhoung	Tram Kak	Prey Kdouch Reservoir	2	<u>550</u>		
			Trapaing Kra Nhoung	Tram Kak	Kraing Empil Embankment		<u>200</u>		
	MOWRAM-CFAVC-KPC-CW14.1	Kampong Cham	Svay Teap	Chamkaler	Pram Kumpheak	2	<u>900</u>	<u>07-09 September 2021</u>	For two irrigation subprojects (Pram Kumpheak)
Preach Andong			Stoeng Trong	O Kamprok	<u>350</u>				

<u>Year</u>	<u>Package Number</u>	<u>Province</u>	<u>Commune</u>	<u>District</u>	<u>Subproject Name</u>	<u>Number of Subprojects/Package</u>	<u>Command area, ha</u>	<u>Public consultations</u>	<u>Remarks</u>	
									k and O Kamprok)	
	MOWRAM-CFAVC-KPT-CW12.1	Kampot	Srae Khnung	Chuom Kiri	Takouch (Prey Takoch)	1	<u>450</u>	<u>15-16 September 2021</u>	For Tomnup Takoch irrigation subproject	
<u>Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of</u>						9	<u>3,250</u>			
<u>2. Plan for Project Feasibility study and Design in 2021</u>										
<u>2021</u>	MOWRAM-CFAVC-TBM-CW13.2	Tbong Khmum	Chhouk	Krouch Chmar	Tbong Damrei Reservoir	2	<u>600</u>			
			Seda	Dambae	Kampong Raing Feeding Canal		<u>250</u>			
	MOWRAM-CFAVC-TEO-CW15.2	Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk	3	<u>800</u>			
			Prey Yuthkar	Koh Andet	Kwaeng Tayee		<u>468</u>			
			Prey Romdeng	Kirivong	Prey Romdeng Canal		<u>510</u>			
	MOWRAM-CFAVC-KPC-CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	1	<u>950</u>			
	MOWRAM-CFAVC-KPT-CW12.2	Kampot	Sathpong/Trameng/Baniev	Chhouk	Trapeang Boeung	2	<u>800</u>			
			Kandorl	Teuk Chhou	Kandorl		<u>650</u>			
	<u>Plan for rehabilitation in year 2021 consisting of 4 Packages covering command area of</u>						8	5,028		
	<u>2022</u>	MOWRAM-CFAVC-KPC-CW14.3	Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	<u>1,400</u>		
Beung Nay				Prey Chhor	Teuk Cha West	<u>1,400</u>				
MOWRAM-CFAVC-TBM-CW13.3		Tbong Khmum	Teuk Chrov	Dambae	Choam Taheung	2	<u>1,500</u>			
			Thmar Pich	Tbong Khmum	Trapaing Ampil		<u>200</u>			
		Takeo	Kampeng	Kirivong	Pou Tasuy Reservoir	6	<u>440</u>			

Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/Package	Command area, ha	Public consultations	Remarks
	MOWRAM-CFAVC-TEO-CW15.3		Prey Romdeng	Tram Kak	O' Rumdoul Reservoir		<u>210</u>		
			Samraong	Tram Kak	Sdok Sab		<u>300</u>		
			Kropum Chhouk	Koh Andet	Pralay 85		<u>850</u>		
			Rominh	Koh Andet	Pralay 42 (pumping Station)		<u>650</u>		
			Soam	Kirivong	Soam Canal		<u>400</u>		
	MOWRAM-CFAVC-KPT-CW12.3	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	<u>1</u>	<u>70</u>		
<u>Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of</u>						<u>11</u>	<u>7,420</u>		
<u>Total irrigation planned to be studied within 3 years period is 32 irrigation schemes and total of</u>						<u>28</u>	<u>15,698</u>		

Table 30: Environmental Public consultations for Subprojects under the MRD

No.	Package Name	AC Name	Province	Commune	District	Road Length (km)	Public consultation	Remarks
1	2	3	4	5	6	8	9	11
1. Plan for road subprojects planned in 2020								
1	CW17a-CFAVC-MRD-KP-01-2020 (Lot 1)	Raksmei Samaky Amatak	Kampot	Chres	Chum Kiri	11.94		
2	CW17a-CFAVC-MRD-KP-02-2020 (Lot 2)	Kasikor Samaki Rungreung		Srae Chaeng	Chum Kiri	8.1		
3	CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Lom Pung Samaky	Takeo	Lumpong	Bati	10.01		
4	CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Sdok Sdam		Taing Yab	Prey Kabas	4.67		
5	CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1)	Dambe Rung Roeung	Tbong Khmum	Dam Bae	Dam Bae	9.77		
6	CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2)	Kdei Sangkhoem Kasekar		Toul Snoul	Krouch Chhmar	12		

7	CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1)	Sombo Meanchey	Kampong Cham	Soupheas	Stueng Trang	9.88		
8	CW17d-CFAVC-MRD-KC8-02-2020 (Lot 2)	Stung Trang Senchey		Soupheas		4.72		
Plan for rehabilitation in year 2020 of 4 Packages Road sub-projects with Length of						71.09		
2. Plan for road sub-projects planned in 2021								
9	CW17a-CFAVC-MRD-KP-01-2021	Sen Han Cham Reoun Phal	Kampot	Samrong Leu	Banteay Meas	5.31		
10	CW17a-CFAVC-MRD-KP-02-2021	Ratanak Pulrath Samaki		Damnak Sokrom	Dang Toung	6.44		
11	CW17a-CFAVC-MRD-KP-03-2021	Preykrang Meanrit		Mean Rith		6.9		
12	CW17a-CFAVC-MRD-KP-04-2021	Samaki Amatak		Srae Khnoug	Chum Kiri	3.83		
13	CW17b-CFAVC-MRD-TK01-2021	Kampeng Sok Sen Sambo	Takeo	Kampeng	Kirivong	5.4		
14	CW17b-CFAVC-MRD-TK02-2021	Samaky Trapeang Kralanh		Ou Saray	Tram Kak	8.25		
15	CW17b-CFAVC-MRD-TK03-2021	Bak Sey Rik Ray		Cheang Tong	Tram Kak	5.8		
16	CW17b-CFAVC-MRD-TK04-2021	Samaki Trapeang Chark		Trapeang Chak	Tramkak	3.4		
17	CW17b-CFAVC-MRD-TK05-2021	Trapeang Srangae		Trapaing Srangae	Tramkak	4.05		
18	CW17c-CFAVC-MRD-TBK-01-2021	Sammaky Meanchey		Tbong Khmum	Chak	Ou Reang Ov	8.15	
19	CW17c-CFAVC-MRD-TBK-02-2021	Lngieng Meamchey	Lngieng		Tbong Khmum	5.5		
20	CW17c-CFAVC-MRD-TBK-03-2021	Samaki Kak	Kak		Tbong Khmum	4.9		
21	CW17c-CFAVC-MRD-TBK-04-2021	Baitong Korksrok	Kok Srok		Dombae	2.98		
22	CW17c-CFAVC-MRD-TBK-05-2021	Akphiriek Ponhea Kraek Dambae	Koang Kang		Ponhea Kraek	1.3		
23	CW17c-CFAVC-MRD-TBK-06-2021	Ponhea Kraek Rongroeung	Koang Kang		Ponhea Kraek	3.8		
24	CW17c-CFAVC-MRD-TBK-07-2021	Popel Meanchey	Popel		Ponhea Kraek	2.82		

25	CW17d-CFAVC-MRD-KC-01-2021	Akphivath Multhan Yeung	Kampong Cham	Taing Krasang	Batheay	3.93		
26	CW17d-CFAVC-MRD-KC-02-2021	Akpiwat Kaksekor		So Saen	Prey Chhor	5.5		
27	CW17d-CFAVC-MRD-KPC-03-2021	Ponluk Thmey		Peam Chi Kang	Kang Meas	5.04		
28	CW17d-CFAVC-MRD-KC-04-2021	Sammaki Baray Angdong Ang		Baray	Prey Chhor	7.77		
Plan for rehabilitation in year 2021 of 6 Packages Road sub-projects with Length of						101.07		
3. Plan for road sub-projects planned in 2022								
29	CW17b-CFAVC-MRD-TK1-2022	Sensok Toek Thla	Takeo	Trapaing Krasaing	Bati	7.33		
30	CW17b-CFAVC-MRD-TK2-2022	Phum Bey Meanchey		Kiri Chong Kaoh	Kirivong	1.5		
31	CW17b-CFAVC-MRD-TK3-2022	Phum Bey Samaky		Krapum Chhouk	Kaoh Andaet	0.55		
32	CW17b-CFAVC-MRD-TK4-2022	Champa Prey Phdav		Champa	Prey Kabas	3.8		
33	CW17b-CFAVC-MRD-TK6-2022	Rolous Meas		Thlea Prochum	Kaoh Andaet	6.28		
34	CW17b-CFAVC-MRD-TK7-2022	Samaky Amatak Khvav		Khvav	Samrong	7		
35	CW17b-CFAVC-MRD-TK8-2022	Cheung Kuon Choukchey		Cheung Kuon	Samrong	4.4		
36	CW17b-CFAVC-MRD-TK9-2022	Punleu Kasikar		Boeung Tranh Khang Cheung	Samrong	7.5		
37	CW17c-CFAVC-MRD-TBK-01-2022	Seda Meanchey	Tbong Khmum	Dambae	DamBae	13.10		
38	CW17c-CFAVC-MRD-TBK-02-2022	Kaksekor Dambae		Tuek Chrov	DamBae	17		
39	CW17c-CFAVC-MRD-TBK-03-2022	Romdoul Dountei		Doun Tei	Ponhea Kraek	14.84		
40	CW17c-CFAVC-MRD-TBK-04-2022	Lngieng Meanchey		Lngieng	Tbong Khmum	9.65		
41	CW17d-CFAVC-MRD-KC-01-2022	Toul Preah Vihea	Kampong Cham	Sompong Chey	Cheung Prey	5.80		
42	CW17d-CFAVC-MRD-KC-02-2022	Reamea Cheung Prey		Pdau Chum		3.75		
Plan for rehabilitation in year 2022 of 6 Packages Road sub-projects with Length of						79.85		
Total road planned to be studied within 3 years period is 48 lines and total of						252.01		

Table 31: EMP Implementation for Irrigation subproject implementation

EMP Requirement	Compliance Status			Remarks/ Reasons for Non/Partly Compliance	Issues for Further Actions
	Yes	No	Partly		
Dust from works and material transportation	√				
Human waste/waste water (construction and camp sites)			√	The construction waste was kept in improperly (on the Embankment and without proper storage and location)	Instructed to correct it in the proper way and in accordance with EMP statement. In response to this instruction, the contractor agreed to improve the human wastewater management.
Traffic accident traffic jam due to equipment transportation	√				
Soil Erosion	√				
Worker safety, health and COVID 19 prevention			√	The first aid was installed within the construction site and worker camp, but for the COVID 19 risk management and prevention was still not installed yet	There recommended that the COVID 19 risk management and prevention should be install in the construction site and worker camps in according with the EMP statement. In response to this instruction, the contractor agreed to improve the COVID 19 risk management and prevention by designing the COVID sign boards and stick it within construction and camp sites.
Sludge disposal	√				
Surface water quality	√				
Ground water quality		√		The testing of ground water quality in the construction site was not conducted yet, even though it should be kept as a baseline	Instructed to correct it in the proper way and in accordance with EMP statement. In response to this instruction, the contractor agreed to do the testing for ground water within and nearby the subproject construction
Solid waste			√	The construction waste was kept in improperly places on the Embankment and without properly storage and location	Instructed to correct it in the properly way and in accordance with EMP statement. In response to this instruction, the contractor agreed to improve the solid waste management by depositing at a proper

EMP Requirement	Compliance Status			Remarks/ Reasons for Non/Partly Compliance	Issues for Further Actions
	Yes	No	Partly		
					place and adding more solid waste bins.
Transmitted diseases	√				
EHS (for community and occupation)	√				
Pollution from fuels and black oil			√	The fuel storage is not proper: some of fuel is still leaking and the storage bin is too small.	Instructed to improve the fuel storage and in large size storage location. In response to this instruction, the contractor agreed to improve the storage fuel and black oil and enlarge the concrete flooring

IX.3. GRM Implementation Status

99. The CFAVC project uses the existing complaint mechanisms through the local administration village chief, commune chief in Trapeang Run.
100. There are two types of GRM, one team is for Category B established by GDR and was already established in the 4 targeted provinces chaired by each provincial governor and for each PPIU assigned as member.
101. Another team of GRM is for Category C subprojects, not involved to GDR, this was actually established by subproject classified as category C. such as Trapeang Run irrigation subproject, Toul Pring and Kbal Tuek irrigation subprojects, and other two road subprojects (Phlov Lek 122, Khlong Tvea Wat Totea) - Phlov Tonle Bati and Wat Ang Andaet-Rumchek-Kraing Ampil).
102. Both category B and Category C GRM were also included in the 2020 annual monitoring report (Jan to Dec 2020) and submitted to ADB.

IX.4. Gender Action Plan Implementation Status

103. Due to Covid 19 pandemic, and consecutive intensive storms for several days, leading to the delays of some the GAP activities.
104. 4 public consultations were conducted during August 2021, aiming at integrating EGM into irrigation construction and FWUCs and construction of AC warehouses and the PADCs and the Mechanization Engineering workshops. The activity is reflecting to GAP target 1.
105. Preparation of Training materials handouts to build the capacity of the provincial knowledge on gender mainstreaming, and capacity on work-plans improvements etc. The activity is reflecting to GAP target 16.
106. Meeting with the contractors at the construction sites in Kampot and Takeo provinces were organized, aiming to ensure that the contractor is aware of gender related issues in the construction works, and as well as the involvement of target women workers (skilled/unskilled) to be involved in the construction works activities. In addition, GAP orientation was introduced to the contractor and the engineering team on 9th August 2021, aiming to mainstream gender into the construction works.
107. Meeting with the CS team was organized aiming to obtain knowledge and kind of data from the project teams and aiming to plan for Social study/Gender analysis/Value Chain analysis. The concept note for the study was drafted and was shared to the TL and DTL on 15th September 2021 for reviewing and commenting. The ToR was advised to be submitted to the ADB Gender focal points for their reviews and advices. The activity is reflecting GAP target 15.

108. GAP monthly report for months of July, August and September are on track, the GFPs submitted their monthly reports within set deadlines. Usually the GFPs submit their monthly reports on the 15th of the month, and draft the GAP report is usually submitted on the 20th each month. The activity is reflecting GAP (Action 11).
109. Several consultation meetings were organized with the ADB Gender focal points to discuss the modified GAP, proposed by the ADB. The ADB proposes to reduce the GAP target indicators from 20 to 11 and activities from 11 to 7 for the existing GAP to new GAP respectively. The new GAP is aligned with the DMF indicators, which were partly missing in the existing GAP and as well as in the ADB Operational Priorities⁹ and in the internal data management. Another consultation is planned during November Q4 2021 to be hosted by the ADB with relevant EAs, IAs and the consultant teams. The new GAP will be applied for other ADB projects in the region such as in Myanmar and Laos PDR, it will be endorsed by the ADB Senior management.
110. The GAP bi-annual report Oct 2021 is under the process of preparation, this activity is reflecting to GAP action 11.

X. Compliance with Covenants

- a) Compliance with Policy Loan Covenants The Project complied with all Sector / Policy Covenants
- b) Compliance with Financial Covenants The project has been complying with the financial Covenants
- c) Compliance with Safeguard Covenants The project has been complying with the Safeguards Covenants
- d) Compliance with Other Covenants The project has been complying with the few other covenants mentioned in the loan and grant agreements

For details of the covenants are referred to Annex 13.

XI. Financial Management Action Plan

111. There have been no changes in circumstances that require a change in the risk assessment and action plans. The Covid -19 pandemic continues to hamper project implementation. The Financial Management Plan is in progress – see Annex 14.

XII. Major Project Issues and Problems

112. AWPB 2021 in principle is approved and allowed to implement, but it is still not officially yet signed and stamp by MEF and ADB. In addition, there is delay in introducing the AWPB 2021 to IA and PPIUs for project implementation.
113. The Ongoing Covid 19 Crisis continues to hamper implementation of activities. The lockdown of Phnom Penh and some provinces in April – May 2021 prohibited travel of staff, and any activity that required meetings. It also made ADB's supervision mission that was scheduled for April 2021 impossible, which had serious bearing on the (lack of approval) of the AWPB 2021.
114. The Covid-19 pandemic is spreading in Phnom Penh and Provinces for the last few months that it has impeded the fieldworks of staffs of PMU as well as PPIU.
115. The mobilization of the international experts is challenging due to the need for a 2- week quarantine after arrival before allowing to enter Cambodia. As a result, many experts are working from their country of residence, which the PMU has permitted.

⁹ All the GAP outputs and Targets for the new GAP should be directly aligned between the DMF and the GAP and as well as the ADB Operational Priorities (OPs) and internal data management.

116. Late procurement of CS4 consultant is delaying the implementation of some activities of Output 3.
117. As mentioned in earlier progress report, the lack of capacity in the field of social safeguards causes delays in feasibility studies that holds up report preparation. However, based on CS5 VO 10, the CS5 teams based at the two ministries are having their own SS Specialists responsible for the preparation of the DDRs and DRPs for the irrigation and road subprojects and do coordinate directly to the ADB for the SS report clearances. It is proposed to define clear roles and responsibilities between the three SS Specialists under the projects. Meaning the two SS Specialists under the MRD and MOWRAM should be responsible for the DDR and DRP and do coordination with the GDR and the ADB to clear the reports and uploaded into the ADB website. The current CS1 SS will be responsible for Social Safeguard Report preparation (DDR) at MAFF and do monitoring of the construction works for the subprojects and is responsible for the preparation of the Semi Annual SS Monitoring reports. The situation is same applied to the Environmental safeguards.
118. There is slow construction works progress for the PADCs, the Mechanization engineering workshops and the warehouses at the start, and the reasons are due to several consecutive days of rainfall, which interfere in foundation works excavation and the roads to the project sites could not be accessed. However some of the sites the construction works could progress well.

XIII. Work Plan for Next 3 Months

119. The planning activities for the civil works and trainings under MAFF are shown in Annex 15.1 and 15.2 respectively. And the civil works activities planned under MoWRAM and under the MRD are presented in Annex 15.3 and Annex 15.4 respectively.

XIV. Budget for Next 3 Months

120. Please see Annex 16 for the budget for MAFF, MOWRAM and MRD

Annexes

Annex 1. MoWRAM Work Achievements

Annex 1.1. MoWRAM Work Progress

Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/ Package	Command area, ha	Topo-survey	FS	Status of DED	Tendering	Construction
1	2	3	4	5	6	7	8	9	10	11	12	13
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020												
2020	CFAVC-KP-TP-CW2	Kampot	Tani	Angkor Chey	Trapeang Run	1	100	100%	100%	100%	100%	100%
	MOWRAM-CFAVC-TBM-CW13.1	Tbong Khmum	PREASH THEAT	Ou Raing Ov	Tumnup Kbal Teuk	3	250	100%	100%	100%	100%	Bush clearance 100%
			Chikor	Tbong Khmum	Tuol Pring Reservoir		100	100%	100%	100%		
			Thmor Pich	Tbong Khmum	Trapeang Tros Reservoir		350	100%	100%	100%		
	MOWRAM-CFAVC-TEO-CW15.1	Takeo	Trapaing Kra Nhoung	Tram Kak	Prey Kdouch Reservoir	2	550	100%	100%	100%	100%	
			Trapaing Kra Nhoung	Tram Kak	Kraing Empil Embankment		200	100%	100%	100%	BER	
	MOWRAM-CFAVC-KPC-CW14.1	Kampong Cham	Svay Teap	Chamkaler	Pram Kumpheak	2	900	100%	100%	100%	BER	
Preach Andong			Stoeng Trong	O Kamprok	350		100%	100%	100%	Preparing		
MOWRAM-CFAVC-KPT-CW12.1	Kampot	Srae Khnung	Chuom Kiri	Takouch	1	450	100%	50%	50%			
Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of						9	3,250					
2. Plan for Project Feasibility study and Design in 2021												
2021	MOWRAM-CFAVC-TBM-CW13.2	Tbong Khmum	Chhouk	Krouch Chmar	Tbong Damrei Reservoir	2	600	Signed contract				
			Seda	Dambae	Kampong Raing Feeding Canal		250					
	MOWRAM-CFAVC-TEO-CW15.2	Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk	3	800					
			Prey Yuthkar	Koh Andet	Kwaeng Tayee		468					
			Prey Romdeng	Kirivong	Prey Romdeng Canal		510					
	MOWRAM-CFAVC-KPC-CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	1	950					
	MOWRAM-CFAVC-KPT-CW12.2	Kampot	Sathpong/ Trameng/ Baniev	Chhouk	Trapeang Boeung	2	800					
Kandorl			Teuk Chhou	Kandorl	650							
Plan for rehabilitation in year 2021 consisting of 4 Packages covering command area of						8	5028					
3. Plan for Project Feasibility study and Design in 2022												
2022	MOWRAM-CFAVC-KPC-CW14.3	Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	1400	Signed contract				
			Beung Nay	Prey Chhor	Teuk Cha West		1400					
	MOWRAM-CFAVC-TBM-CW13.3	Tbong Khmum	Teuk Chrov	Dambae	Choam Taheung	2	1500					
			Thmar Pich	Tbong Khmum	Trapaing Ampil		200					

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MOWRAM-CFAVC-TEO-CW15.3	Takeo	Kampeng	Kirivong	Pou Tasuy Reservoir	6	440			
		Prey Romdeng	Tram Kak	O' Rumdoul Reservoir		210			
		Samraong	Tram Kak	Sdok Sab		300			
		Kropum Chhouk	Koh Andet	Pralay 85		850			
		Rominh	Koh Andet	Pralay 42 (pumping Station)		650			
		Soam	Kirivong	Soam Canal		400			
MOWRAM-CFAVC-KPT-CW12.3	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	1	70			
Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of					11	7,420			
Total irrigation planned to be studied within 3 years period is 32 irrigation schemes and total of					28	15,698			

Annex 1.2. MoWRAM Monitoring Progress

Year	Package Number	Province	Commune	District	Subproject Name	Number of Sub projects/ Package	Command area, ha	Estimated Amount of the Package (USD in millions)	Date of Start of DED for subproject	Environ-mental Safeguards Categorization	Status of Env. Safe- guards	IR Category	Status of LARP/DDR Safeguards	IP Cate- gory	Status of IPP Safe- guards	Date of issuance of Invitation for Bids	Deadline for bid submission	Submission of BER (for prior) / Submission of BER and signed contract (for post)	Date of signing the contract	Name of the winning contractor	Contract Amount awarded	Date of start of civil works	Duration of the works or supply	Actual date of completion of civil works	Remarks on measures for climate mitigation and adaptation	Economic Internal Rate of Return	Advance amount paid	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020																												
2020	CFAVC-KP-TP- CW2	Kampot	Tani	Angkor Chey	Trapeang Run	1	100	\$0.80	20-Feb-20	B	100%	C	100%	C	N/A	20-May-20	19-Jun-20	10-Sep-20	10-Nov-20	USS	685283.09	17-Nov-20	10 Months	100%	OK	14.10%	68528.3	
	MOWRAM- CFAVC-TBM- CW13.1	Tbong Khmum	PREASH THEAT	Ou Raing Ov	Tumnup Kbal Teuk	3	250	\$0.67	1-Mar-21	B	0%	C		C		15-Mar-21	3-Apr-21	NOL from ADB 28 Jul 2021	2-Aug-21	SSN	CW13.1:USD. 2,234,441.34.	1-Sep-21				9.63%		
			Chikor	Tbong Khmum	Tuol Pring Reservoir		100	\$0.91	01-Agu-20	B	100%	C	100%	C		15-Mar-21	13-Apr-21	NOL from ADB 28 Jul 2021	2-Aug-21	SSN	CW13.1:USD.2 ,234,441.34.	1-Sep-21	10			13.98%		
			Thmor Pich	Tbong Khmum	Trapeang Tros Reservoir		350	\$0.82	01-Agu-20	B	100%	C	100%	C		15-Mar-21	13-Apr-21	NOL from ADB 28 Jul 2021	2-Aug-21	SSN		1-Sep-21	10			13.57%		
	MOWRAM- CFAVC-TEO- CW15.1	Takeo	Trapaing Kra Nhoung	Tram Kak	Prey Kdouch Reservoir	2	550	\$0.91	01-Agu-20	B	100%	B	100%	C		18-Mar-21	18-Apr-21	NOL with condition 11 Aug 2021		KBH	CW15.1: SUD. 1,392,848.85		10					
			Trapaing Kra Nhoung	Tram Kak	Kraing Empil Embankment		200	\$1.24	5-Oct-20	B	100%	C	Submitted	C		18-Mar-21	18-Apr-21	NOL with condition 11 Aug 2021		KBH	CW15.1: SUD. 1,392,848.85						13.77%	
	MOWRAM- CFAVC-KPC- CW14.1	Kampong Cham	Svay Teap	Chamkaler	Pram Kumpheak	2	900	\$0.45	5-Oct-20	B	100%	C	Submitted	C		18-Mar-21	18-Apr-21			KBH							11.39%	
			Preach Andong	Stoeng Trong	O Kamprok		350	\$0.91	1-Mar-21	B	95%	C	20%	C		27-Aug-21	27-Sep-21			KBH							12.92%	
	MOWRAM- CFAVC-KPT- CW12.1	Kampot	Srae Khnung	Chuom Kiri	Takouch (Prey Takoch)	1	450	\$0.92	1-Sep- 21	B	100%	C	20%	C													13.77%	
	Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of						9	3,250																				
2. Plan for Project Feasibility study and Design in 2021																												
2021	MOWRAM- CFAVC-TBM- CW13.2	Tbong Khmum	Chhouk	Krouch Chmar	Tbong Damrei Reservoir	2	600																					
			Seda	Dambae	Kampong Raing Feeding Canal		250																					
	Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk	3	800																						
		Prey Yuthkar	Koh Andet	Kwaeng Tayee		468																						

	MOWRAM- CFAVC-TEO- CW15.2		Prey Romdeng	Kirivong	Prey Romdeng Canal		510																						
	MOWRAM- CFAVC-KPC- CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	1	950																						
	MOWRAM- CFAVC-KPT- CW12.2	Kampot	Sathpong/ Trameng/ Baniev	Chhouk	Trapeang Boeung	2	800																						
			Kandorl	Teuk Chhou	Kandorl		650																						
Plan for rehabilitation in year 2021 consising of 4 Packages covering command area of						8	5028																						
3. Plan for Project Feasibility study and Design in 2022																													
2022	MOWRAM- CFAVC-KPC- CW14.3	Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	1400																						
			Beung Nay	Prey Chhor	Teuk Cha West		1400																						
	MOWRAM- CFAVC-TBM- CW13.3	Tbong Khmum	Teuk Chrov	Dambae	Choam Taheung	2	1500																						
			Thmar Pich	Tbong Khmum	Trapaing Ampil		200																						
	MOWRAM- CFAVC-TEO- CW15.3	Takeo	Kampeng	Kirivong	Pou Tasuy Reservoir	6	440																						
			Prey Romdeng	Tram Kak	O' Rumdoul Reservoir		210																						
			Samraong	Tram Kak	Sdok Sab		300																						
			Kropum Chhouk	Koh Andet	Pralay 85		850																						
			Rominh	Koh Andet	Pralay 42 (pumping Station)		650																						
		Soam	Kirivong	Soam Canal	400																								
	MOWRAM- CFAVC-KPT- CW12.3	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	1	70																						
Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of						11	7,420																						
Total irrigation planned to be studied within 3 years period is 32 irrigation schemes and total of						28	15,698																						

Annex 2. MRD Work Progress

Annex 2.1. MRD Work Progress

No.	Package Name	AC Name	Province	Commune	District	Ranking Priority (Year)	Road Length (km)	Topo-survey	FS	Status of DED	Tendering stage	Construction	Remark
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Plan for road sub-projects planned in 2020													
1	CW17a-CFAVC-MRD-KP-01-2020 (Lot 1)	Raksmei Samaky Amatak	Kampot	Chres	Chum Kiri	2020	11.94	100%	100%	Completed 17-Mar-21	Bid opening scheduled 9 Sep 2021, BER being evaluated	Not yet start	Not yet start
2	CW17a-CFAVC-MRD-KP-02-2020 (Lot 2)	Kasikor Samaki Rungreung		Srae Chaeng	Chum Kiri		8.1	100%	100%	Completed 17-Mar-21	Bid opening scheduled 9 Sep 2021, BER being evaluated	Not yet start	Not yet start
3	CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Lom Pung Samaky	Takeo	Lumpong	Bati		10.01	100%	100%	Completed 28-Aug-2021	BER submitted to ADB for NOL (2nd week of Jul-2021)	Not yet start	Not yet start
4	CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Sdok Sdam		Taing Yab	Prey Kabas		4.67	100%	100%	Completed 28-Aug-2021	BER submitted to ADB for NOL (2nd week of Jul-2021)	Not yet start	Not yet start
5	CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1)	Dambe Rung Roeung	Tbong Khmum	DamBae	DamBae		9.77	100%	100%	Completed 5-Oct-20	BER submitted to ADB for NOL 29-Jul-21	Not yet start	Not yet start
6	CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2)	Kdei Sangkhoem Kasekar		Toul Snoul	Krouch Chhmar		12	100%	100%	Completed 5-Oct-20	BER submitted to ADB for NOL 29-Jul-21	Not yet start	Not yet start
7	CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1)	Sombo Meanchey	Kampong Cham	Soupheas	Stueng Trang		9.88	100%	100%	Completed 6-Jan-21	BER submitted to ADB for NOL 29-Jul-21	Not yet start	Not yet start
8	CW17d-CFAVC-MRD-KC8-02-2020 (Lot 2)	Stung Trang Senchey		Soupheas			4.72	100%	100%	Completed 6-Jan-21	BER submitted to ADB for NOL 29-Jul-21.	Not yet start	Not yet start
Plan for rehabilitation in year 2020 of 4 Packages Road sub-projects with Length of							71.09						

2. Plan for road sub-projects planned in 2021													
1	CW17a-CFAVC-MRD-KP-01-2021 (Package No.5)	Sen Han Cham Reoun Phal	Kampot	Samrong Leu	Banteay Meas	2021	5.31	80%	70%	35%			Not yet start
2	CW17a-CFAVC-MRD-KP-02-2021 (Package No.9)	Ratanak Pulrath Samaki		Damnak Sokrom	Dang Toung		6.44	80%	70%	35%			Not yet start
3	CW17a-CFAVC-MRD-KP-03-2021(Package No.9)	Preykrang Meanrit		Mean Rith			6.9	80%	70%	35%			Not yet start
4	CW17a-CFAVC-MRD-KP-04-2021 (Package No.5)	Samaki Amatak		Srae Khnoung	Chum Kiri		3.83	80%	70%	35%			Not yet start
5	CW17b-CFAVC-MRD-TK01-2021(Package No.10)	Kampeng Sok Sen Sambo	Takeo	Kampeng	Kirivong		5.4	80%	70%	35%			Not yet start
6	CW17b-CFAVC-MRD-TK02-2021(Package No.6)	Samaky Trapeang Kralanh		Ou Saray	Tram Kak		8.25	80%	70%	35%			Not yet start
7	CW17b-CFAVC-MRD-TK03-2021(Package No.6)	Bak Sey Rik Ray		Cheang Tong	Tram Kak		4.9	80%	70%	35%			Not yet start
8	CW17b-CFAVC-MRD-TK04-2021(Package No.10)	Samaki Trapeang Chak		Trapeang Chak	Tramkak		3.4	80%	70%	35%			Not yet start
9	CW17b-CFAVC-MRD-TK05-2021(Package No.10)	Trapeang Srangae		Trapaing Srangae	Tramkak		4.05	80%	70%	35%			Not yet start
10	CW17c-CFAVC-MRD-TBK-01-2021 (Package No.7)	Sammaky Meanchey	Tbong Khmum	Chak	Ou Reang Ov		8.15	80%	70%	35%			Not yet start
11	CW17c-CFAVC-MRD-TBK-02-2021 (Package No.7)	Lngieng Meamchey		Lngieng	Tbong Khmum		5.5	80%	70%	35%			Not yet start
12	CW17c-CFAVC-MRD-TBK-03-2021 (Package No.11)	Samaki Kak		Kak	Tbong Khmum		4.9	80%	70%	35%			Not yet start
13	CW17c-CFAVC-MRD-TBK-04-2021 (Package No.7)	Baitong Korksrok		Kok Srok	Dombae		2.83	80%	70%	35%			Not yet start
14	CW17c-CFAVC-MRD-TBK-05-2021 (Package No.11)	Akphiriek Ponhea Kraek Dambae		Koang Kang	Ponhea Kraek		1.45	80%	70%	35%			Not yet start
15	CW17c-CFAVC-MRD-TBK-06-2021 (Package No.11)	Ponhea Kraek Rongroeueng		Koang Kang	Ponhea Kraek		3.8	80%	70%	35%			Not yet start

16	CW17c-CFAVC-MRD-TBK-07-2021 (Package No.11)	Popel Meanchey		Popel	Ponhea Kraek		2.82	80%	70%	35%			Not yet start	
17	CW17d-CFAVC-MRD-KC-01-2021 (Package No.12)	Akphivath Multhan Yeung	Kampong Cham	Taing Krasang	Batheay		3.93	80%	70%	35%			Not yet start	
18	CW17d-CFAVC-MRD-KC-02-2021 (Package No.12)	Akpiwat Kaksekor		So Saen	Prey Chhor		5.5	80%	70%	35%			Not yet start	
19	CW17d-CFAVC-MRD-KPC-03-2021 (Package No.8)	Ponluk Thmey		Peam Chi Kang	Kang Meas		4.88	80%	70%	35%			Not yet start	
20	CW17d-CFAVC-MRD-KC-04-2021 (Package No.8)	Sammaki Baray Angdong Ang		Baray	Prey Chhor		7.77	80%	70%	35%			Not yet start	
Plan for rehabilitation in year 2021 of 8 Packages Road sub-projects with Length of							100.01							
3. Plan for road sub-projects planned in 2022														
1	CW17b-CFAVC-MRD-TK1-2022	Sensok Toek Thla	Takeo	Trapaing Krasaing	Bati	2022	7.33						Not yet start	
2	CW17b-CFAVC-MRD-TK2-2022	Phum Bey Meanchey		Kiri Chong Kaoh	Kirivong			1.5						Not yet start
3	CW17b-CFAVC-MRD-TK3-2022	Phum Bey Samaky		Krapum Chhouk	Kaoh Andaet			0.55						Not yet start
4	CW17b-CFAVC-MRD-TK4-2022	Champa Prey Phdav		Champa	Prey Kabas			3.8						Not yet start
5	CW17b-CFAVC-MRD-TK6-2022	Rolous Meas		Thlea Prochum	Kaoh Andaet			6.28						Not yet start
6	CW17b-CFAVC-MRD-TK7-2022	Samaky Amatak Khvav		Khvav	Samrong			7						Not yet start
7	CW17b-CFAVC-MRD-TK8-2022	Cheung Kuon Choukchey		Cheung Kuon	Samrong			4.4						Not yet start
8	CW17b-CFAVC-MRD-TK9-2022	Punleu Kasikar		Boeung Tranh Khang Cheung	Samrong			7.5						Not yet start
9	CW17c-CFAVC-MRD-TBK-01-2022	Seda Meanchey	Tbong Khmum	Dambae	DamBae		13.10						Not yet start	
10	CW17c-CFAVC-MRD-TBK-02-2022	Kaksekor Dambae		Tuek Chrov	DamBae		17						Not yet start	
11	CW17c-CFAVC-MRD-TBK-03-2022	Romdoul Dountei		Doun Tei	Ponhea Kraek		14.84						Not yet start	

12	CW17c-CFAVC-MRD-TBK-04-2022	Lngieng Meanchey		Lngieng	Tbong Khmum	9.65						Not yet start
13	CW17d-CFAVC-MRD-KC-01-2022	Toul Preah Vihea	Kampong Cham	Sompong Chey	Cheung Prey	5.80						Not yet start
14	CW17d-CFAVC-MRD-KC-02-2022	Reamea Cheung Prey		Pdau Chum		3.75						Not yet start
Plan for rehabilitation in year 2022 of 6 Packages Road sub-projects with Length of						102.5						
Total road planned to be studied within 3 years period is 48 lines and total of						273.63						

Annex 2.2. MRD Monitoring progress

No.	Package Name	AC Name	Province	Commune	District	Ranking Priority (Year)	Road Length (km)	Estimated Amount of the Package (USD in millions)	Date of Start of DED for subproject	Environmental Safeguards Categorization	Status of Env. Safeguards	IR Category	Status of LARP/ DDR Safeguards	IP Category	Status of IPP Safe-guards	Date of issuance of Invitation for Bids	Deadline for bid submission	Submission of BER (for prior) / Submission of BER and signed contract (for post)	Date of signing the contract	Name of the winning contractor	Contract Amount awarded	Date of start of civil works	Duration of the works or supply	Actual date of completion of civil works	Remarks on measures for climate mitigation and adaptation	Economic Internal Rate of Return	Advance amount paid		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25					
1. Plan for road sub-projects planned in 2020																													
1	CW17a-CFAVC-MRD-KP-01-2020 (Lot 1)	Raksmei Samaky Amatak	Kampot	Chres	Chum Kiri	2020	11.94	1,488,481.62		B	ADB NOL 9-Jul-21	C	Impact assessment with GDR was conducted 4th week of Jul, 2021	C		1st week of Aug 2021.	9-Sep-21	Bid Evaluation Report Being prepared											
2	CW17a-CFAVC-MRD-KP-02-2020 (Lot 2)	Kasikor Samaki Rungreung		Srae Chaeng	Chum Kiri		8.1	1,046,898.43																					
3	CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Lom Pung Samaky	Takeo	Lumpong	Bati		10.01	1,325,562.03		B	ADB NOL 3-Nov-20	B	ADB provide NOL to DRP 2nd week of Sept 21.	C		19-Mar-21	12-May-21	BER submitted to ADB for NOL 5 Jul 21											
4	CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Sdok Sdam		Taing Yab	Prey Kabas		4.67	1,110,942.22																					
5	CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1)	Dambe Rung Roeung	Tbong Khmum	DamBae	DamBae		9.77	1,475,481.45		B	ADB NOL 2 Mar 2021	C	The DDR is under revision by consultant based on the comments from the Third Party and it will be submitted to ADB by 4th week of Aug 2021	C		2-Jun-21	2-Jul-21	BER submitted to ADB for NOL 29-Jul-21											
6	CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2)	Kdei Sangkhoem Kasekar		Toul Snoul	Krouch Chhmar		12	1,586,237.67																					
7	CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1)	Sombo Meanchey	Kampong Cham	Soupheas	Stueng Trang		9.88	1,280,831.31		B	ADB NOL IEE 18-May-21	B	The Detailed Measurement Survey (DMS), SES and RCS is under the processing (SSG)	C		2-Jun-21	2-Jul-21	BER submitted to ADB for NOL 29-Jul-21											
8	CW17d-CFAVC-MRD-KC8-02-2020 (Lot 2)	Stung Trang Senchey		Soupheas			4.72	736,328.11																					
Plan for rehabilitation in year 2020 of 4 Packages Road sub-projects with Length of							71.09																						
2. Plan for road sub-projects planned in 2021																													
1	CW17a-CFAVC-MRD-KP-01-2021 (Package No.5)	Sen Han Cham Reoun Phal	Kampot	Samrong Leu	Banteay Meas	2021	5.31	743,400			25%																		
2	CW17a-CFAVC-MRD-KP-02-2021 (Package No.9)	Ratanak Pulrath Samaki		Damnak Sokrom	Dang Toung		6.44	901,600				25%																	
3	CW17a-CFAVC-MRD-KP-03-2021 (Package No.9)	Preykrang Meanrit		Mean Rith			6.9	924,000					25%																
4	CW17a-CFAVC-MRD-KP-04-2021 (Package No.5)	Samaki Amatak		Srae Khnoung	Chum Kiri		3.83	536,200				25%																	
5	CW17b-CFAVC-MRD-TK01-2021 (Package No.10)	Kampeng Sok Sen Sambo	Takeo	Kampeng	Kirivong		5.4	756,000			25%																		
6	CW17b-CFAVC-MRD-TK02-2021 (Package No.6)	Samaky Trapeang Kralanh		Ou Saray	Tram Kak		8.25	1,155,000				25%																	

7	CW17b-CFAVC-MRD-TK8-2022	Cheung Kuon Choukchey		Cheung Kuon	Samrong	4.4	616,000.00													
8	CW17b-CFAVC-MRD-TK9-2022	Punleu Kasikar		Boeung Tranh Khang Cheung	Samrong	7.5	1,050,000													
9	CW17c-CFAVC-MRD-TBK-01-2022	Seda Meanchey	Tbong Khmum	Dambae	DamBae	13.10	1,834,000.													
10	CW17c-CFAVC-MRD-TBK-02-2022	Kaksekor Dambae		Tuek Chrov	DamBae	17	2,380,000													
11	CW17c-CFAVC-MRD-TBK-03-2022	Romdoul Dountei		Doun Tei	Ponhea Kraek	14.84	2,077,600													
12	CW17c-CFAVC-MRD-TBK-04-2022	Lngieng Meanchey		Lngieng	Tbong Khmum	9.65	1,351,000													
13	CW17d-CFAVC-MRD-KC-01-2022	Toul Preah Vihea	Kampong Cham	Sompong Chey	Cheung Prey	5.80	812,000													
14	CW17d-CFAVC-MRD-KC-02-2022	Reamea Cheung Prey		Pdau Chum		3.75	525,000													
Plan for rehabilitation in year 2022 of 6 Packages Road sub-projects with Length of						102.5	14,350,000													
Total road planned to be studied within 3 years period is 42 road lines and total of						273.63	38,308,200													

Annex 3. MAFF Work Progress

No.	EA/IA	Subproject No. (same package number /reference with the procurement plan)	Subproject Title / Description	Dimension	Estimated Amount of the Package (USD in millions)	Date of Start of DED for subproject	Status of DED	Environmental Safeguards Categorization	Status of Env. Safeguards	IR Category	Status of LARP/ DDR Safeguards	IP Category	Status of IPP Safeguards	Date of issuance of invitation for Bids	Deadline for bid submission	Submission of BER (for prior) / Submission of BER and signed contract (for post)	Date of signing the contract	Name of the winning contractor	Contract Amount awarded	Date of start of civil works	Duration of the works or supply	Actual date of completion of civil works	Remarks on measures for climate mitigation	Economic Internal Rate of Return	Advance amount paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Civil Works																									
1	1	CW7/CFAVC/MAFF/2021	C The Construction of Mechanization Workshops (not including major & minor equipment) & Supervision- CW7, Lot 1: Kampot/01 Lot 2: Tbong Khmum/02 Lot 3: Kampong Cham/03	12m X14m	180,464.88	Dec-19	Completed	C	Under ADB reviewing process	C	MAFF PMU will formally submit the DDR-1 (final version) to ADB in 1st week of June 2021	No IP at Subproject Area	N/A	16-Oct-20	16-Nov-20	Submission BER for Prior 18 March 2021	16-Aug-21	Hout Chhoeun Construction Co., Ltd	U186,530.61	30-Aug-21	120 days	29-Dec-21			First Advance
1	2	CW3a/CFAVC/MAFF/2021	C The Construction of the Agricultural Cooperative Storage 20 units for 4 Lots in 4 provinces, CW3a/CFAVC/MAFF/2021 Lot 1: Kampot/04 Lot 2: Takeo/05 Lot 3: Kampong Cham/06 Lot 4: Tbong Khmum/07	Storage sizes: - 50 tone, - 100 tone, - 200 tone,	1,743,217	Dec-19	Completed	C	Under ADB reviewing process	C	DDR-2 was already submitted by CS1/PIC to ADB on 26 May 2021 for initial review, The ADB get back review version on 30 June 2021, it is now the process of updating. The DDR2 was approved by the ADB on 17 Sep 2021	No IP at Subproject Area	N/A	19-Oct-20	18-Nov-20	Submission BER for Prior 10 May 2021	09-Sep-21	Hout Chhoeun Construction Co.,Ltd.	U1,589,932.93	23-Sep-21	120 days	20-Jan-22			First Advance
1	3	CW4/CFAVC/MAFF/2021	Lot 3: Kampong Cham The Construction of Training Building of the Provincial Agricultural Development Center (PADC), for three lots in 3 provinces, CW-4/ CFAVC/MAFF/2021 Lot 1: Takeo/08 Lot 2: Tbong Khmum/09 Lot 3: Kampong Cham/10	12mx15m	282,431.93	Dec-19	Completed	C	Under ADB reviewing process	C	MAFF PMU will formally submit the DDR-1 (final version) to ADB in 1st week of June 2021	No IP at Subproject Area	N/A	26-Oct-20	26-Nov-20	Submission BER for Period 7 June 2021	16-Aug-21	Hout Chhoeun Construction Co.,Ltd	U282,461.93	30-Aug-21	120 days	29-Dec-21			First Advance
1	4	CW19a/CFAVC/MAFF/2021	Installation and commissioning of 500 bio digesters and 250 compost huts* Lot 1: Tbong Khmum Lot 2: Kampong Cham Lot 3: Takeo Lot 4: Kampot	<ul style="list-style-type: none"> Bio-digester sizes: • 4m3, • 6m3, • 8m3, • 10m3. • Compost huts sizes: 8m3 	364,009.00		Completed	C	Under ADB reviewing process	C	DDR-3, was requested to ADB for no further social safeguards requirement due to subproject selection criteria in PAM and LARF does not contain any action to be followed, expected to be finalized by end of June 2021	No IP at Subproject Area	N/A	11-Jun-2021	12-Jul-2021	BBER report is reviewing by PRC-MEF				183 days					
Goods																									
Consultant Services																									

	5	CS4 (2020)	ICT (Including: Infrastructure, Software development, training, workshops and demonstrations, consultants, office operations and support costs)		1,737,401			C	Under ADB reviewing process	C			N/A	5 Feb 2021	21 Mar 2021	Submission Evaluation report for Expression of Interest and shortlisted consulting firms for period 28 June 2021	waiting to receive ADB NOL from 12 July 2021								
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Annex 4. DMF Performance Indicators Progress In Thrid Quarter 2021

DMF Indicators Codes	DMF Performant Indicators ¹⁰	Unit	Baseli ne	Target		Assigne d Weight (%) ¹¹	Third Quarter DMF's Indicators Progress, Jul. - Sept 2021		9 Months Overall Accumulative Weight Progress (%)
				LOP	2021		Overall Accumulative Weight Progress (%)	Narrative Progress	
	Outcome, Productive and resource efficient agribusiness value chains developed in project areas								
a.	By 2026 a. At least 15% increase in yields (2017 baseline: rice 2.7 tons, maize 4 tons, cassava 20 tons and mango 15 tons/ha).	%		15%				✓ To be reported at least after the MTR assessment, or by the end of the project completion.	
b.	By 2026 b. GHG emissions reduced by 240,000 tons of CO2 (2017 baseline: 0 tons reduced due to the project).	Tone	0	240,000	0			✓ To be reported at least after the MTR assessment, or by the end of the project completion.	
c.	By 2026 c. At least 50 agribusinesses become more resource efficient in terms of water savings (5- 10% efficiencies); energy savings (20%); and reduction in post-harvest	%	0	50	0			✓ To be reported at least after the MTR assessment, or by the end of the project completion.	

¹⁰ - The left margin with black font are the DMF Indicators, while the right margin with blue font are the sub-indicators.

¹¹ - The Assigned weight (%) has only for the main DMF Indicators, while its sub-indicators do not have it.

	losses (10%) (2017 baseline: 0).								
1	Output. 1. Critical agribusiness value chain infrastructure improved and made climate resilient					65.00	2.96		19.49
1.a.	1a. 27 irrigation and water management systems targeting 15,000 ha and 25,000 households (with at least 50,000 women) rehabilitated and made climate resilient (2017 baseline: 0).	Woman	0	27	9.00	15.00	0.03	<p>During the reporting period, several achievements were made including,</p> <ul style="list-style-type: none"> ✓ Following up with Civil Works Construction of Trapeang Run Irrigation Subprojects, to date the construction was progressed around 95%; ✓ Prepared BER for the CW14.1 Kampong Cham irrigation sub-projects (CFAVC-MOWRAM-KPC-CW14.1) and reviewing of the DED and Feasibility Study Reports; ✓ IEE report preparations for CFAVC-MOWRAM-KPC-CW14.1; ✓ Supported PMU-MOWRAM on preparation of Topographical Survey for the 18 irrigation subprojects; ✓ The bid invitation and bid opening for conducting topographical survey for the irrigation sub-projects planned in 2021 and in 2022; ✓ The construction works for the Tuol Pring reservoir irrigation subproject under contract 	4.63

								<p>package number: MOWRAM-CFAVC-TBM-CW13.1 has been started with the progress that bush clearance was fully done;</p> <p>✓ The feasibility study and detailed engineering design have been progressed about 20% for the Takouch irrigation subproject under contract package number MOWRAM-CFAVC-KPT-CW12.1.</p>	
1b.	1b. 800 on-farm rainwater harvesting ponds commissioned (2017 baseline: 0).	Pond	0	800	280	5.00	0.00	<p>✓ There is no activity progress during this quarter, because it is still waiting for government decision making for which Ministry will be responsible to implement? as well as the 15 drips irrigation systems.</p>	0.06
1c.	1c. At least 250 km of farm road networks upgraded to climate standards to improve connectivity of farms to cooperatives and markets (2017 baseline: 0).	Km	0	250	100	15.00	2.46	<p>During the reporting period, several achievement were made including,</p> <p>✓ Twenty road subprojects under contract package numbers: CW17a-CFAVC-MRD-KP-01-2021 (Package No.5), CW17a-CFAVC-MRD-KP-02-2021 (Package No.9), CW17a-CFAVC-MRD-KP-03-2021 (Package No.9), CW17a-CFAVC-MRD-KP-04-2021 (Package No.5), CW17b-CFAVC-MRD-TK01-2021 (Package No.10), CW17b-CFAVC-MRD-TK02-2021 (Package No.6), CW17b-</p>	6.27

								<p>CFAVC-MRD-TK03-2021(Package No.6), CW17b-CFAVC-MRD-TK04-2021(Package No.10), CW17b-CFAVC-MRD-TK05-2021(Package No.10), CW17c-CFAVC-MRD-TBK-01-2021 (Package No.7), CW17c-CFAVC-MRD-TBK-02-2021 (Package No.7), CW17c-CFAVC-MRD-TBK-03-2021 (Package No.11), CW17c-CFAVC-MRD-TBK-04-2021 (Package No.7), CW17c-CFAVC-MRD-TBK-05-2021 (Package No.11), CW17c-CFAVC-MRD-TBK-06-2021 (Package No.11), CW17c-CFAVC-MRD-TBK-07-2021 (Package No.11), CW17d-CFAVC-MRD-KC-01-2021 (Package No.12), CW17d-CFAVC-MRD-KC-02-2021 (Package No.12), CW17d-CFAVC-MRD-KPC-03-2021 (Package No.8) and CW17d-CFAVC-MRD-KC-04-2021 (Package No.8) the topographical surveys have been progressed about 80% completed.</p> <p>✓ The feasibility studies have been progressed about 70% completed and the detailed engineering designs have</p>
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								<p>been progressed about 35% completed.</p> <ul style="list-style-type: none"> ✓ Detailed engineering design were prepared for two road subprojects planned in 2020 under contract package numbers: CW17b-CFAVC-MRD-TK3-2020 (Lot 1) and CW17b-CFAVC-MRD-TK4-2020 (Lot 2); ✓ For the twenty road subprojects planned in 2021, their detailed engineering design during the reporting period have been progressed 35%. 	
1d.	1d. 80 agricultural cooperatives* integrated adaptation measures in post-harvest infrastructure investments (2017 baseline: 5).	AC	5	80	35	15.00	0.06	<p>This indicator was started progress and in tracking including,</p> <ul style="list-style-type: none"> ✓ Completed location selection; ✓ Completed site survey; ✓ Tender file completed; ✓ Procurement completed; ✓ Construction is started. 	6.04
1e.	1e. Crop product quality and safety testing infrastructure in National Agricultural Laboratory upgraded to test 1500 samples (2017 baseline: 700) and generate service income more than \$75,000 (2017 baseline: \$0).					5.00	0.21	<p>This indicator started in progress and on tracking including,</p> <ul style="list-style-type: none"> ✓ Prepared training program; ✓ Re-assessed Lab-equipment; ✓ Re-designed on lab-renovation drawing. 	1.38

	Crop product quality and safety testing infrastructure in National Agricultural Laboratory upgraded to test 1500 samples	Sample	700	1,500	0			✓ It was the same its main indicator's progress.	
	Crop product quality and safety testing infrastructure in National Agricultural Laboratory upgraded generate service income more than \$75,000	USD	0	75,000	0			✓ It was the same its main indicator's progress.	
1f.	1f. 12,000 additional bio digesters and 6,000 compost huts made operational, benefiting at least 80,000 persons, including at least 50% women, due to better household air quality (2017 baseline beneficiaries: 11,468 persons, including 5,721 women).						0.20	This indicator started in progress and on tracking including, ✓ Identify new eligible clients to purchasing bio digester planned in 2021; ✓ Procurement for 500 bio digesters are still reviewing and comments from ADB.	1.11
1f.1	12,000 Bio-digesters made operational benefitting 80,000 persons (50% are women)	Bio digesters	No BL	12,000	1,250	4.00	0.01	This sub-indicator started in progress and on tracking including, ✓ Identify new eligible clients to purchasing bio digester planned in 2021; ✓ Procurement for 500 bio digesters are still reviewing and comments from ADB.	0.15
	12,000 Bio-digesters made operational	Person	11,468	80,000	8,333				

	benefitting 80,000 persons (50% are women)								
1f.2	6,000 Compost-huts made operational benefiting 20,000 persons (50% are women)	Compost hut	No BL	6,000	625	4.00	0.01	This indicator in progress and on tracking including, ✓ Identify new eligible clients to purchasing compost huts planned in 2021; ✓ Procurement for 250 compost huts are still reviewing and comments from ADB.	0.20
1f.3	20,000 people trained on bio digester and compost hut use and management (50% are women) and one (1) national standard and policy of bio digester and bio-slurry developed		No BL	20,000	5,000	2.00	0.18	This indicator in progress and on tracking including, ✓ Mentoring and coaching; ✓ Publication of promotion and marketing materials; ✓ Mentoring/coaching extension; ✓ Training and capacity building; ✓ Promotion and marketing; ✓ Leaflets and information sharing.	0.75
2	Output. 2. Climate smart agriculture and agribusiness promoted					20.00	1.61		8.55
2a.	2a. Three additional climate resilient varieties of rice and maize released (2017 baseline: 0).	Variety	0	3	0	5.00	0.08	This indicator was slightly started yet for the three varieties released and it is still waiting for signing contract with IRRI and its progress was narratively described by its respective sub-indicators below,	0.60
	Three additional climate resilient varieties of rice released	Variety	0	2	0		0.00	This sub-indicator was not started yet for the three varieties released and it is still waiting for signing contract with IRRI. Further, there some	0.00

								demonstrations were conducted including, ✓ 90 rice seed demo plots selected; ✓ 10 cassava seed demo plots selected; Follow up demonstration activities.	
	Three additional climate resilient varieties of maize released	Variety	0	1	0		0.00	This sub-indicator was not started yet for the three varieties released and it is still waiting for signing contract with IRRI.	0.00
2b.	40,000 farmers (of whom 16,000 are women) trained in CSA and agribusiness development skills, of which 50% are SRP compliant with direct links to millers and exporters (2017 baseline for SRP compliance: 0).		No BL	40,000	19,172	5.00	1.00	This indicator was progress include, ✓ Completing TOT training on CSA, SRP, CamGAP, BDS, and Farm mechanization, and conservation agriculture; ✓ Farmer training program and schedule preparation. More specific by each its sub-indicators were below,	1.91
	farmers (of whom 16,000 are women) trained in CSA	Person	No BL	20,000	5,800		0.11	This indicator was in progress and on tracking including, ✓ Prepared training program and scheduling; ✓ Reviewed training materials.	0.83
	farmers (of whom 16,000 are women) trained in Agribusiness Development Skills (ADS)	Person	No BL	20,000	7,893			This indicator was in progress and on tracking including, ✓ Reviewed training materials; ✓ Prepared training program and scheduling.	
	farmers are trained on SRP compliant with direct links to millers and	Person	0	20,000	5,250		0.30	This indicator was in progress and on tracking including, ✓ Prepared training program and scheduling;	0.40

	exporters (2017 baseline for SRP compliance: 0)							✓ Reviewed training materials.	
	farmers are trained on CAMGAP compliant		No BL	500	120		0.60	This indicator was in progress and on tracking including, ✓ Prepared training program and scheduling; ✓ Reviewed training materials.	1.29
	20% of total 40,000 farmers are trained on Agricultural farm Machinery		No BL	8,000	109		0.08	This indicator was in progress and on tracking including, ✓ Reviewed training materials; ✓ Prepared training program and scheduling.	0.28
2c.	2c. 27 FWUCs/FWUGs made operational and 500 FWUC/FWUG members (of which 30% women) developed capacity to operate and maintain their irrigation schemes (2017 baseline: 0).	FWUC	0			6.00	0.11	✓ This indicator was gradually progressed with its respective sub-indicators narrative description as below,	1.70
2C1	27 FWUCs/FWUGs made operational and maintain their irrigation schemes (2017 baseline: 0)	FWUC	0	27	18	3.00	0.17	This sub-indicator was progress and in tracking in term of, ✓ Village meeting for FWUC establishment; ✓ Villagers meeting for FWUC establishment and FWUC committee selection; ✓ Established 3 FWUCs in Tbong Khmum province and registered.	2.09

2C2	500 FWUC/FWUG members developed capacity to operate and maintain their irrigation schemes (2017 baseline: 0).	Person	0	500	200	3.00	0.04	This sub-indicator was in progress and tracking including, ✓ Preparation training materials on operation; ✓ Preparation of training materials on maintenance.	1.32
2d.	2d. 4 provincial agricultural development centers (PADC) and 4 Mechnization engineering workshops (MEW) made fully operational to provide agribusiness services and strengthen farmer value chain linkages (2017 baseline: 0).		0	8	6		0.15	✓ This indicator was gradually progressed, which its respective sub-indicators progresses have been narratively described as below,	1.32
2d1	4 provincial agricultural development centers made fully operational to provide agribusiness services and strengthen farmer value chain linkages (2017 baseline: 0).	PADC	0	4	4	2.00	0.12	✓ The 4 PADCs were completed its procurement, the contractor won the bidding was Hout Chheoun Co.,Ltd and the contractor has been introduced to the 4 PDAFF's directors target provinces, as well as the introduction to the construction sides. It does hope that the 4 PADCs to start its construction in mid-October 2021, while the Khmer Traditional Pchum Bin celebration is completed in early October 2021.	1.24

2d2	4 engineering workshops made fully operational to provide agribusiness services and strengthen farmer value chain linkages (2017 baseline: 0).	Workshop	0	4	4	2.00	0.19	✓ The 4 MEW were completed its procurement, the contractor won the bidding was Hout Chheoun Co.,Ltd and the contractor has been introduced to the 4 PDAFF's directors target provinces, as well as the introduction to the construction sides. It does hope that the 4 MEWs to start its construction in mid-October 2021, while the Khmer Traditional Pchum Bin celebration is completed in early October 2021.	1.40
3	Output 3. Enabling environment for climate friendly agribusiness enhanced					15.00	1.41		3.38
3a.	3a. Climate-smart and gender-responsive agribusiness policy for target commodities, including a PPP framework focusing on agribusinesses formulated (2017 baseline: 0).**	Policy		4	1.30	2.00	0.42	✓ This indicator was gradually progressed with its respective narratively progress description as below,	1.16
	1. Draft of Climate Smart and Gender Responsive Agrib-policy	Policy	0	1	0.40		0.08	✓ This sub-indicator was in progress and on tracking including the TOR development and reviewed by DTL, and Department of Planning and Statistic team, MAFF.	0.22
	2. Draft CSA policy	Policy	0	1	0.30		0.043	✓ This sub-indicator was in progress and on tracking	0.11

								including the TOR drafted by DTL and Department of Planning and Statistic team, MAFF.	
	3. Draft guidance manual for climate neutrality and adaption for agribusiness operation; and 4. Draft IDP strategy for climate friendly agribusiness	Policy	0	1	0.30		0.040	✓ This sub-indicators were in progress and on tracking including the TOR drafted by DTL, and Department of Planning and Statistic, MAFF, as well as the National Standards and policy of bio digester.	0.10
	5. Draft PPP framework formulated	Policy	0	1	0.30		0.043	✓ This sub-indicator was in progress and on tracking including the draft PPP framework development, which reviewed by DTL, and Department of Planning and Statistic team, MAFF, as well as the Conduct Feasibility study on crop commodities.	0.15
3b.	3b. CAMGAP for tropical fruit and organic fertilizers endorsed as national standard for tropical fruit and organic fertilizers (2017 baseline: 0).	Standard	0	2	0.60	2.00	0.143	✓ This indicator was gradually progressed with its respective narratively progress description as below,	0.33
	CAMGAP for tropical fruit endorsed as national standard for tropical fruit (2017 baseline: 0).	Standard	0	1	0.30		0.000	✓ This sub-indicator was in progress and on tracking including the reviewed relevant documents, and existing CamGAP standard for tropical fruit.	0.000
	CAMGAP for organic fertilizers endorsed as national standard for	Standard	0	1	0.30		0.026	✓ This sub-indicator was in progress and on tracking including the reviewed	0.041

	organic fertilizers (2017 baseline: 0).							relevant documents, and existing standard for organic fertilizer.	
3c.	3c. 50 staff, including 30% women, from financial institutions trained in CSA and green finance (2017 baseline: 0).	Person	0	50	25	2.00	0.24	This indicator was in progress and on tracking including, ✓ Reviewed relevant existing documents for both sub-indicators; ✓ Drafting training materials for both sub-indicators.	0.84
	50 staff, including 30% women, from financial institutions trained in CSA (2017 baseline: 0).	Person	0	25	13		0.000	This sub-indicator was in progress and on tracking including, ✓ Reviewed relevant existing document; ✓ Drafting training material.	0.000
	50 staff, including 30% women, from financial institutions trained in Green finance (2017 baseline:0).	Person	0	25	13		0.000	This sub-indicator was in progress and on tracking including, ✓ Reviewed relevant existing document; ✓ Drafting training material.	0.000
3d.	3d. 30 agribusinesses, including 30% women-led and/or owned,*** trained on green finance and CSA (2017 baseline: 0).			30	10	2.00	0.18	This indicator was in progress and on tracking including, ✓ Reviewed relevant existing documents for both sub-indicators; ✓ Drafting training materials for both sub-indicators.	0.26
	30 agribusinesses, including 30% women-led and/or owned,*** trained on Green finance (2017 baseline: 0).	Person	0	15	5		0.000	This sub-indicator was in progress and on tracking including, ✓ Reviewed relevant existing document; ✓ Drafting training material.	0.000

	30 agribusinesses, including 30% women-led and/or owned,*** trained on CSA (2017 baseline: 0).	Woman	0	15	5		0.000	This sub-indicator was in progress and on tracking including, ✓ Reviewed relevant existing document; ✓ Drafting training material.	0.000
3e.	3e. 20,000 households, including 20,000 women, provided with information on climate risk sharing instruments (2017 baseline: 0).	Household	0	20,000	10,000	2.00	0.21	✓ This indicator does not start yet, and it is still waiting for the arrival of the specialist.	0.23
3f.	3f. ICT platform for climate friendly agribusiness established in Kampong Cham province (2017 baseline: 0).	ICT Platform	0	1	0.30	2.00	0.00	✓ The EoI for recruitment of the consulting firms were floated in the ADB website and twelve consulting firms submitted their EoI. The submitted EoI were under the process of bid evaluation.	0.02
3g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	ICT Platform		1	0.30	3.00	0.21	✓ This indicator was just started.	0.54

Annex 5. Physical Progress during Q3 as a percentage

Annex 5.1. CFAVC Overall Project Implementation Progress as Per MEF Format

ACTIVITY/Implementing Agency		Assigned Weight (%)	Overall MEF Accumulated Physical Progress as of Project Implementation to-date		Overall MEF Physical progress vs AWPB as of end of QR 3 2021 (%)
			Progress 31/12/2020 (%)	As of 15/09/2021 (%)	
1	Establish project PMU & PRC	0.50	0.500	0.50	0.00
2	Recruitment of Consultants	0.50	0.430	0.45	0.02
3	PMU Operation	4.00	1.000	1.36	0.36
4	Social Safeguards and Resettlement	2.00	0.030	0.03	0.00
5	Environmental Management	2.00	0.020	0.03	0.01
6	Gender	1.00	0.030	0.03	0.00
7	Implementation of Output 1 - MAFF	27.00	1.43	8.63	7.20
8	Implementation of Output 1 - MOWRAM	13.50	0.02	5.34	5.32
9	Implementation of Output 1 - MRD	13.50	2.11	8.06	5.95
10	Implementation of Output - Unassigned	4.50	0.21	0.24	0.04
11	Implementation of Output 2 - MAFF	12.60	2.29	7.20	4.91
12	Implementation of Output 2 - MOWRAM	5.40	0.66	3.48	2.82
13	Implementation of Output 3 - MAFF	13.50	1.40	4.78	3.38
TOTAL		100.00	10.12	40.14	30.02

Annex 5.2. CFAVC Overall Project Implementation Progress as Per Implementing Agencies

MAFF	Target Weight (%)	December 2020		Sept.-2021	
		Actual (%)	Weighted (%)	Weighted (%)	Accumulated (%)
Output 1 – Critical Agribusiness Value Chain Infrastructure Improved and made Climate-Resilient					

1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	15.00	0.16	0.023	0.06	5.60
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded	5.00	16.00	0.800	0.21	2.18
1.f1	12,000 Bio-digesters made operational benefitting 40,000 persons (50% are women)	4.00	9.53	0.381	0.01	0.54
1.f2	6,000 Compost-huts made operational benefitting 40,000 persons (50% are women)	4.00	9.25	0.370	0.01	0.57
1.f.3	40,000 people trained on bio digester and compost hut use and management (50% are women) and one (1) national standard and policy of bio digester and bio-slurry developed	2.00	0.70	0.014	0.13	0.70
	sub-total Output 1	30.00		1.59	0.41	9.59
Output 2 – Climate-smart Agriculture and Agribusiness Promoted						
2.a	3 Additional climate-resilient varieties of rice and maize released	5.00	6.25	0.313	0.05	0.84
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	5.00	16.98	0.849	0.92	2.71
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	2.00	26.30	0.526	0.12	1.70
2.d.2	4 Engineering workshops made fully operational to provide agribusiness services	2.00	30.30	0.606	0.19	1.95
	sub-total Output 2	14.00		2.294	1.28	7.20
Output 3 – Enabling Environment for Climate-Friendly Agribusiness Enhanced						
3.a	Policy on Climate Smart and Gender Responsive Agribusiness and PPP framework formulated	2.00	19.00	0.380	0.27	1.54
3.b	Good Agriculture Practice for tropical fruit endorsed	2.00	14.50	0.290	0.10	0.62
3.c	Good Agriculture Practice for organic fertilizer endorsed	2.00	11.50	0.230	0.17	1.07
3.d	50 Staff from financial institutions trained in CSA and green finance	2.00	5.40	0.108	0.13	0.36

3.e	30 agribusinesses trained in green finance and CSA	2.00	4.50	0.090	0.18	0.32
3.f	20,000 Households provided with information on climate risk-sharing instruments	2.00	4.50	0.090	0.00	0.11
3.g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	3.00	6.90	0.207	0.21	0.75
	sub-total Output 3	15.00		1.40	1.06	4.78
OUTPUT	Output 1	30.00		1.59	0.41	9.59
	Output 2	14.00		2.29	1.28	7.20
	Output 3	15.00		1.40	1.06	4.78
TOTAL MAFF		59.00		5.28	2.76	21.57
MOWRAM			2020		Sep-21	
Output 1 – Critical Agribusiness Value Chain Infrastructure Improved and made Climate-Resilient			Actual (%)	Weighted (%)	Weighted (%)	Accumulated (%)
1.a	27 Irrigation and water management systems rehabilitated and made climate-friendly	15.00	10.06	1.509	0.03	5.34
	sub-total Output 1	15.00		0.02	0.03	5.34
Output 2 – Climate-smart Agriculture and Agribusiness Promoted						
2.c.1	27 FWUCS of FWUGS made full operational	3.00	12.10	0.363	0.16	2.26
2.c.2	500 FWUCS of FWUGS developed capacity to operate and maintain their irrigation schemes	3.00	10.00	0.300	0.04	1.23
	sub-total Output 2	6.00		0.663	0.21	3.48
TOTAL MOWRAM		21.00		0.68	0.23	8.82
MRD			2020		Sep-21	
Output 1 – Critical Agribusiness Value Chain Infrastructure Improved and made Climate-Resilient			Actual (%)	Weighted (%)	Weighted (%)	Accumulated (%)
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets	15.00	14.05	2.108	0.85	8.06
TOTAL MRD		15.00		2.11	0.85	8.06
UNDECIDED			2020		Sep-21	
Output 1 – Critical Agribusiness Value Chain Infrastructure Improved and made Climate-Resilient			Actual (%)	Weighted (%)	Weighted (%)	Accumulated (%)
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	5.00	4.13	0.207	0.00	0.24
TOTAL Output (Undecided)		5.00		0.21	0.00	0.24

OVERALL			2020		Sep-21	
			Actual (%)	Weighted (%)	Weighted (%)	Accumulated (%)
EI	MAFF	59.00		5.28	2.76	21.57
	MOWRAM	21.00		0.68	0.23	8.82
	MRD	15.00		2.11	0.85	8.06
	Undecided	5.00		0.21	0.00	0.24
Overall TOTAL for all		100.00		8.27	3.84	38.70

Annex 5.3. CFAVC Overall Project Implementation Progress as Per DMF Progress

Output and Activities		Assigned weight (%)	Weighted Progress in 2020 (%)	Overall DMF's Cumulative Weighted Progress in 2021 (%)			
				Q1	Q2	Q3	9 Months
Output 1 – Critical Agribusiness Value Chain Infrastructure Improved and made Climate-Resilient							
1.a	27 Irrigation and water management systems rehabilitated and made climate-friendly	15.00	1.509	2.92	1.68	0.03	4.63
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	5.00	0.207	0.06	0.00	0.00	0.06
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets	15.00	2.108	1.32	2.49	2.46	6.27
1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	15.00	2.259	1.57	4.41	0.06	6.04
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded	5.00	0.800	0.00	1.17	0.21	1.38
1.f1	12,000 Bio-digesters made operational benefitting 40,000 persons (50% are women)	4.00	0.283	0.15	0.00	0.01	0.15
1.f2	6,000 Compost-huts made operational benefitting 40,000 persons (50% are women)	4.00	0.299	0.19	0.00	0.01	0.20

1.f.3	20,000 people trained on bio digester and compost hut use and management (50% are women) and one (1) national standard and policy of bio digester and bio-slurry developed	2.00	0.014	0.17	0.40	0.18	0.75
sub-total Output 1		65.00	7.48	6.38	10.14	2.96	19.49
Output 2 – Climate-smart Agriculture and Agribusiness Promoted							
2.a	3 Additional climate-resilient varieties of rice and maize released	5.00	0.313	0.24	0.28	0.08	0.60
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	5.00	0.849	0.22	0.69	1.00	1.91
2.c.1	27 FWUCS of FWUGS made full operational	3.00	0.363	1.70	0.22	0.17	2.09
2.c.2	500 FWUCS of FWUGS developed capacity to operate and maintain their irrigation schemes	3.00	0.300	1.17	0.11	0.04	1.32
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	2.00	0.526	0.33	0.79	0.12	1.24
2.d.2	4 Engineering workshops made fully operational to provide agribusiness services	2.00	0.606	0.26	0.95	0.19	1.40
sub-total Output 2		20.00	2.957	3.92	3.03	1.61	8.55
Output 3 – Enabling Environment for Climate-Friendly Agribusiness Enhanced							
3.a	Policy on Climate Smart and Gender Responsive Agribusiness and PPP framework formulated	2.00	0.380	0.15	0.60	0.42	1.16
3.b	Good Agriculture Practice for tropical fruit endorsed	2.00	0.290	0.00	0.19	0.14	0.33
3.c	Good Agriculture Practice for organic fertilizer endorsed	2.00	0.230	0.00	0.60	0.24	0.84
3.d	50 Staff from financial institutions trained in CSA and green finance	2.00	0.108	0.00	0.07	0.18	0.26
3.e	30 agribusinesses trained in green finance and CSA	2.00	0.090	0.00	0.02	0.21	0.23

3.f	20,000 Households provided with information on climate risk-sharing instruments	2.00	0.090	0.00	0.02	0.00	0.02
3.g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	3.00	0.207	0.00	0.33	0.21	0.54
	sub-total Output 3	15.00	1.40	0.15	1.83	1.41	3.38
OUTPUT	Output 1	65.00	7.48	6.38	10.14	2.96	19.49
	Output 2	20.00	2.96	3.92	3.03	1.61	8.55
	Output 3	15.00	1.40	0.15	1.83	1.41	3.38
TOTAL Output (1 + 2 + 3)		100.00	11.83	10.45	15.00	5.98	31.42

Annex 5.4. CFAVC Project Implementation as Per Output 1 Progress

ACTIVITY	SUBACTIVITY	UNIT	OVERALL TARGET	Sub-Weight (%)	2021		Progress in Q3 2021				Progress in First Nine-months 2021				
					AWP	AWP & Carry Over from 2020	Current Progress %	Target	Actual progress	Weighted Progress (%)	Current Progress %	Target	Actual progress	Weighted Progress (%)	
1.a	27 Irrigation and water management systems rehabilitated and made climate-friendly	Step 1A Identification of ISs	Schemes	27	5	9.00	1.81	100	1.00	1.00	0.19	2,900	1.00	29.00	5.37
		Step 1B Feasibility Study	Schemes	27	10	9.00	12.70	0	0.00	0.00	0.00	0	0.00	8.00	2.96
		Step 2 Topographic Survey	Ha	15,000	10	5,333	5,629	0	0.00	0.00	0.00	0	0.00	5,714.29	3.81
		Step 3 + 4DED & Tender file	Ha	15,000	20	5,333	7,984	0	0.00	0.00	0.00	0	0.00	2,857.14	3.81
		Procurement & Implementation	Ha	15,000	50	5,333	7,283	0	0.00	0.00	0.00	0	0.00	571.43	1.90
		O&M	Schemes	27	5	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
		Subtotal				100						0.19			
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	Identification of ponds	no	800	5	80.00	0.00	0	0.00	0.00	0.00	25	80.00	20.00	0.13
		Farm identification for drip system	no	15	5	8.00	6.00	0	0.67	0.00	0.00	35	8.67	3.00	1.00
		DED Ponds	no	800	15	1.00	21.00	0	2.99	0.00	0.00	0	2.99	0.00	0.00
		DED Drip system	no	15	15	2.00	3.33	0	1.37	0.00	0.00	0	1.37	0.00	0.00
		Procurement & Implementation ponds	no	800	35	1.00	81.00	0	10.00	0.00	0.00	0	10.00	0.00	0.00
		Drip systems installation	no	15	25	1.00	81.00	0	10.00	0.00	0.00	0	10.00	0.00	0.00

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		Subtotal			100		192.33				0.00				1.13
1.c	<i>At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets</i>	Step 1A: Identification	km	250	5	100	100	100	200.00	200.00	4.00	237	200.00	473.39	9.47
		Step 1B Feasibility Study	km	250	10	100	131	100	130.46	130.46	5.22	154	130.46	200.58	8.02
		Step 2: Topographic Survey	km	250	10	100	97	100	110.23	110.23	4.41	164	110.23	180.35	7.21
		Step 3+4 DED & Tender file	km	250	20	100	68	103	34.00	35.00	2.80	309	34.00	105.12	8.41
		Procurement & Implementation	km	250	50	25	47	0	0.00	0.00	0.00	0	0.00	14.24	2.85
		O&M	km	250	5	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00
		Subtotal			100						16.43				
1.d	<i>80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments</i>	Identification	No	80	5	35	35.0	0	3.89	0.00	0.00	1,710	3.89	66.50	4.16
		Site location Survey	no	80	5	35	35.0	0	3.89	0.00	0.00	1,275	3.89	49.58	3.10
		DED & Tender file	no	4	20	1	1.0	23	0.22	0.05	0.25	1,395	0.22	3.10	15.50
		Procurement	no	4	40	1	1.0	0	0.22	0.00	0.00	467	0.22	1.04	10.37
		Construction	No	80	25	35	54.8	4	12.18	0.50	0.16	4	12.18	0.50	0.16
		O&M	no	80	5	35	55.0	0	12.22	0.00	0.00	0	12.22	0.00	0.00
		Subtotal			100						0.41				
1.e	<i>Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded</i>	TNA for LAB staff	No	1	10	1	1.0	0	0.11	0.00	0.00	2,070	0.11	2.30	23.00
		DED & Tender file	No	1	20	1	1.8	8	0.39	0.03	0.60	8	0.39	0.03	0.60
		Procurement	No	1	60	1	2.0	0	0.44	0.00	0.00	0	0.44	0.00	0.00
		Training of staff	Person	9	10	9		6	9.00	0.50	0.56	6	9.00	0.50	0.56
		On-the job training	Person	50	10	0	10.0	1,350	1.11	15.00	3.00	1,530	1.11	17.00	3.40

		Subtotal			100						4.16				27.56
1.f.1	12,000 Bio-digesters made operational benefiting 80,000 persons (50% are women)	Identification of Bio-digesters	Bio digester	12,000	10	750	1,200	22	1,016.66	220.00	0.18	25	1,016.66	252.00	0.21
		DED & Tender file	document	4	20	1	1.73	0	2.19	0.00	0.00	3	2.19	0.06	0.29
		Procurement	document	4	50	1	2.00	0	2.44	0.00	0.00	3	2.44	0.07	0.92
		Construction of bio digesters	Bio digester	12,000	20	750	1,210	0	1,478.90	0.00	0.00	0	1,478.90	3.97	0.01
		Subtotal			100		0.00				0.18				3.86
1.f.2	6,000 Compost-huts made operational benefiting 20,000 persons (50% are women)	Identification of compost-huts	Compost hut	6,000	10	375	603	32	508.89	164.00	0.27	38	508.89	192.08	0.32
		DED & Tender file	document	4	20	1	1.73	0	2.19	0.00	0.00	3	2.19	0.06	0.29
		Procurement	document	4	50	1	2.00	0	2.44	0.00	0.00	4	2.44	0.10	1.29
		Construction of compost huts	Compost hut	6,000	20	625	875	0	819.44	0.00	0.00	0	819.44	0.00	0.00
		Subtotal			100						0.27				5.12
1.f.3	20,000 people trained on bio digester and compost hut use and management (50% are women) and one (1) national standard and policy of bio digester and bio-slurry developed	Training and Capacity Building	Person	5,000	20	1,000	1,559	64	519.67	330.00	1.32	249	519.67	1,294.24	5.18
		Promotion and Marketing	Person	5,000	20	1,000	1,550	215	497.15	1,067.00	4.27	353	497.15	1,752.67	7.01
		Monitoring and Evaluation	Person	5,000	20	1,000	1,682	90	541.98	487.00	1.95	191	541.98	1,035.20	4.14
		Innovation & VC improvement	Person	5,000	20	1,000	1,472	65	472.13	305.00	1.22	177	472.13	836.83	3.35
		National Policy and Standards of Bio digester and bio slurry	Policy	1	20	0.2	0.40	13	0.15	0.02	0.40	416	0.15	0.62	12.40
		Subtotal			100						9.16				37.44

Annex 5.5. CFAVC Project Implementation as Per Output 2 Progress

ACTIVITY	SUBACTIVITY	UNIT	OVERALL TARGET	Sub-Weight (%)	2021		Progress Q3. 2021				Progress First Nine-monthly 2021				
					AWP	AWPB & Carry Over from 2020	Current Progress %	Target	Actual progress	Weighted Progress (%)	Current Progress %	Target	Actual progress	Weighted Progress (%)	
2.a	3 Additional climate-resilient varieties of rice and maize released	Development of new rice varieties	Varieties	2	30	1.00	2.00	0	0.39	0.00	0.00	0	0.39	0.00	0.00
		Development of new maize varieties	Variety	1	10	1.00	2.00	0	0.39	0.00	0.00	0	0.39	0.00	0.00
		Multiplication of existed rice varieties production of FS rice for PRD, PMD and CAR 16	Seeds	2	10	1.00	1.00	99	0.22	0.22	1.10	189	0.22	0.42	2.10
		Multiplication of maize seed (CM1) varieties	Seeds	1	10	1.00	2.00	0	0.44	0.00	0.00	0	0.44	0.00	0.00
		Distribution of rice seeds for demonstration seed production (PRD, PMD) for WS and CAR 16 for DS	Seeds	160	10	40.00	41.60	100	4.62	4.62	0.29	781	4.62	36.12	2.26
		Distribution of maize for seed production	Seeds	3	10	1.00	2.00	0	0.22	0.00	0.00	0	0.22	0.00	0.00
		Training of farmer group on BMP (240 courses)	Persons	10,000	5	2,500	5,000	0	1,111.11	0.00	0.00	15	1,111.11	166.67	0.08
		Training of farmer group on rice seed production (120 courses)	Persons	4,000	5	1,000	2000	0	444.44	0.00	0.00	0	444.44	0.00	0.00
		Field day (120 events)	People	15,000	10	1,500	3000	0	666.67	0.00	0.00	0	666.67	0.00	0.00
		Site identification for Cassava seeds demonstration	Demo	40	5	10.00	10.00	100	1.11	1.11	0.14	1900	1.11	21.11	2.64

		Laser Land Leveling (LLL)	Demo/ha	4,000	5	500	500	100	55.56	55.56	0.07	2373	55.56	1,318.23	1.65
		sub total			100						1.60				8.73
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	Training of TOT-Trainers	Persons	80	3	0.00	80.00	168	68.89	116.00	4.35	192	68.89	132.00	4.95
		Drafting of training material for climate smart agriculture	set	1	2	1.00	1.00	99	0.11	0.11	0.22	1974	0.11	2.19	4.39
		Implementation of comprehensive Needs assessment	set	4	2	4.00	2.50	10,080	0.28	28.00	14.00	11,781	0.28	32.73	16.36
		Drafting of training material for agribusiness development	set	1	3	1.00	1.00	99	0.11	0.11	0.33	1,980	0.11	2.20	6.60
		Farmers trained on CAMGAP standards	Persons	500	15	100	120	50	40	20	0.60	108	40	43	1.29
		Farmers trained on CSA	Persons	20,000	25	4,000	5,800	5	1,933	88	0.11	34	1,933	666	0.83
		Farmers trained on SRP	Persons	20,000	20	4,000	5,250	17	1,750	302	0.30	23	1,750	402	0.40
		Farm mechanization and agriculture conservation	Persons	9,500	15	1,900	2058	7	686	51	0.08	26	686	176	0.28
		Agriculture Cooperative (board members)	Persons	20,000	15	4,000	7893	3	2,631	75	0.06	7	2,631	190	0.14
		subtotal			100						20.05				35.24
2.c.1	27 FWUCS of FWUGS made operational	Preparation of training materials	set	1	2.5	0.00	0.80	101	0.09	0.09	0.23	1031	0.09	0.92	2.29
		Initial meeting with local authorities	meeting	27	5	9.00	4.96	15	6.06	0.90	0.17	149	6.06	9.06	1.68
		Village meeting	meeting	54	10	9.00	8.20	15	10.02	1.46	0.27	151	10.02	15.16	2.81
		Screening potential candidates FWUC committee	FWUC	27	10	9.00	13.60	0	16.02	0.03	0.01	69	16.02	11.09	4.11

		Candidate selection	FWUC	27	10	9.00	13.60	22	16.02	3.50	1.30	85	16.02	13.56	5.02
		Village representation election	FWUC	27	10	9.00	16.30	18	19.62	3.50	1.30	114	19.62	22.39	8.29
		FWUC committee election	FWUC	27	15	9.00	19.00	2	23.22	0.50	0.28	31	23.22	7.15	3.97
		FWUC formation	FWUC	27	25	9.00	19.00	4	23.22	0.90	0.83	9	23.22	2.17	2.01
		Registration	FWUC	27	12.5	9.00	19.00	52	5.81	3.00	1.39	65	5.81	3.76	1.74
		subtotal			100						5.77				31.92
2.c.2	500 FWUCs of FWUGs, developed capacity to operate and maintain their irrigation schemes	Preparation of training material on operation	set	1	10	0.00	1.00	99	0.11	0.11	1.10	1134	0.11	1.26	12.60
		Preparation of training material on maintenance	set	1	10	0.00	0.30	90	0.03	0.03	0.30	1590	0.03	0.53	5.30
		Trained FWUCs of FWUGs on schemes management	Persons	500	70	130.00	108.60	0	36.20	0.00	0.00	0	36.20	0.00	0.00
		Application of MEF budget (FWUC)	FWUC	27	10	19.00	14.95	0	3.32	0.00	0.00	0	3.32	0.00	0.00
		subtotal			100							1.40			
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	Identification and Initial Survey	No	4	10	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
		DED & Tender file	No	1	35	0.00	0.71	101	0.08	0.08	2.80	1547	0.08	1.23	42.97
		Procurement	No	1	10	0.00	0.37	97	0.04	0.04	0.40	440	0.04	0.18	1.81
		Construction	No	3	40	3.00	6.00	13	1.58	0.20	2.67	30	1.58	0.47	6.27
		Training of users (50% are women)	No	4	5	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
		subtotal			100							5.87			
2.d.2	4 Engineering workshops	Identification and Initial Survey	No	4	10	1.00	1.00	99	0.11	0.11	0.28	1082	0.11	1.20	3.00

made fully operational to provide agribusiness services	DED & Tender file	No	1	35	1.00	1.67	103	0.19	0.19	6.65	680	0.19	1.26	44.08
	Procurement	No	1	10	1.00	0.00	0	0.00	0.00	0.00	0	0.00	1.00	10.00
	Construction	No	3	40	3.00	3.00	22	0.92	0.20	2.67	35	0.92	0.33	4.33
	Training of users (50% are women)	No	4	5	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
	subtotal			100							9.59			

Annex 5.6. CFAVC Project Implementation as Per Output 3 Progress

ACTIVITY	SUBACTIVITY	UNIT	OVERALL TARGET	Sub-Weight (%)	2021		Progress Q3. 2021				Progress First Nine-monthly 2021				
					AWP	AWP & Carry Over from 2020	Current Progress %	Target	Actual progress	Weighted Progress (%)	Current Progress %	Target	Actual progress	Weighted Progress (%)	
3.a	Good Agriculture Practice for tropical fruit endorsed	Policy on Climate Smart and Gender Responsive Agribusiness and PPP framework formulated including the 5 policies below, 1. Draft of Climate Smart and Gender Responsive Agrib-policy	Policy	1	25	1.00	1.97	60	0.55	0.33	8.25	0		0.88	21.93
		2. Draft CSA policy	Policy	1	25	0.50	0.95	64	0.26	0.17	4.25	0		0.42	10.50
		3. Draft guidance manual for climate neutrality and adaption for agribusiness operation; and 4. Draft IDP strategy for climate friendly agribusiness	Prakas	1	25	0.50	0.93	61	0.26	0.16	4.00	0		0.41	10.25

		5. Draft PPP framework formulated	Framework	1	25	0.50	0.96	64	0.27	0.17	4.25	0		0.62	15.40	
		Subtotal			100						20.75				58.08	
3.b	Good Agriculture Practice for organic fertilizer endorsed	Guidance manual for climate neutrality and adaptation standards for agribusiness operation	Strategy	1	20	1.00	1.46	50	0.46	0.23	4.60	0		0.53	10.60	
		Climate-friendly become more widely utilized with eight of largest Cambodia millers/exporters being part of alliance	Rice miller	8	15	2.00	2.10	0	0.58	0.00	0.00	0	0		0.00	0.00
		Standards on CamGAP tropical fruit formation	Standard	1	20	0.50	0.96	0	0.11	0.00	0.00	0	0		0.00	0.00
		Development of standards for organic fertilizer	Standard	1	15	0.50	0.99	62	0.28	0.17	2.55	0			0.27	4.05
		Development of IDP strategies for climate friendly agribusiness	Strategy	1	5	0.30	0.30	0					0			
		National standards on bio digester development	Standard	1	5	0.30	0.30	0					0			
		Socialize GAP Standards for tropical fruit	No	2	20	0.00	0.50	0	0.10	0.00	0.00	0			0.20	2.00
		Subtotal				100							7.15			
3.c	50 Staff from financial institutions trained in CSA and green finance	Assessment TNA on CSA and Green finance	No	1	20	1.00	1.47	45	0.49	0.22	4.40	0		0.72	14.40	
		Develop training material for staff training in CSA	No	1	20	1.00	1.47	37	0.57	0.21	4.20	0		0.71	14.20	
		Develop training material for staff training in green finance	No	1	20	0.50	0.97	55	0.32	0.18	3.60	0		0.68	13.60	

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		Implementation of training on green finance in CSA	Staff	50	20	0.00	0.00	0	0.00	0.00	0.00	0		0.00	0.00
		Implementation training in green finance	Staff	50	20	0.00	0.00	0	0.00	0.00	0.00	0		0.00	0.00
		Subtotal			100						12.20				42.20
3.d	30 agribusinesses trained in green finance and CSA	Assessment TNA on CSA and Green finance	TNA	1	10	1.00	1.49	53	0.41	0.22	2.20	0		0.32	3.20
		Develop training material for staff training in CSA	no	1	20	1.00	1.46	52	0.40	0.21	4.20	0		0.31	6.20
		Develop training material for staff training in green finance	no	1	20	0.30	0.80	63	0.22	0.14	2.80	0		0.17	3.40
		Implementation of training on green finance in CSA	Staff	30	20	15.00	15.50	0	1.72	0.00	0.00	0		0.00	0.00
		Implement training in green finance	Staff	30	30	15.00	15.50	0	1.72	0.00	0.00	0		0.00	0.00
		Subtotal			100							9.20			
3.e	20,000 Households provided with information on climate risk-sharing instruments	Assessment of TNA on CSA and Green finance	TNA	1	10	1.00	1.975	51	0.55	0.28	2.80	0		0.31	3.10
		Develop training material for staff training in CSA	Set	1	20	1.00	1.48	54	0.41	0.22	4.40	0		0.25	5.00
		Develop climate risk sharing mechanism /instrument	Set	1	20	1.00	1.50	41	0.42	0.17	3.40	0		0.17	3.40
		Awareness raising on weather and climate risk information sharing to communities	Household	20,000	50	10.00	10.50	0	2.92	0.00	0.00	0		0.00	0.00

		Subtotal			100						10.60				11.50	
3.f	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	Implementation of TNA	No	1	10	1.00	1.97	0	0.22	0.00	0.00	0		0.03	0.30	
		Develop training material for staff training in green finance	No	1	15	0.50	0.99	0	0.11	0.00	0.00	0.00	0		0.03	0.45
		Implementation of training on green finance in CSA	Persons	20,000	75	50,000	50,000	0	5,555.56	0.00	0.00	0.00	0		0.00	0.00
		Subtotal			100			0.50				0.00				0.75
3.9	sub-total Output 3	Development of ICT	No	1	55	0.25	1.18	50	0.26	0.13	7.15	0		0.33	18.15	
		Purchase of equipment	No	1	25	0.50	1.50	0	0.33	0.00	0.00	0.00	0		0.00	0.00
		Installation of the center	No	1	20	0.30	1.30	0	0.14	0.00	0.00	0.00	0		0.00	0.00
		Subtotal			100							7.15				18.15

Note: N/A = cannot be computed, because of different units.

Annex 6. Contracts planned to be awarded - Details of Utilization of funds

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
I. MAFF								
Civil Works								
<u>CW-7/CFAVC/MAFF/2021:</u> The Construction of Mechanization Workshops (not including major & minor equipment) & Supervision - Lot 1: Kampot, Lot 2: Tbong Khmum, Lot 3: Kampong Cham-	180,464.88	186,530.61	Q3-2021	Q4-2021	ADB	NCB	NCB	Lot 1: Kampot= 62,176.87, Lot 2: Tbong Khmum= 62,176.87, Lot 3: Kampong Cham = 62,176.87
<u>CW-3a/CFAVC/MAFF/2021:</u> The Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 20 units,; lot1: Kampot, lot2: Takeo, lot3: Kampong Cham and lot4: Tbong Khum –	1,743,217.00	1,589,932.9	Q3-2021	Q1 2022	ADB	NCB	NCB	Lot1: Kampot =366,834.92, Lot2: Takeo=352,019.30, Lot3: Kampong Cham= 412,637.88, Lot4:Tbong khmum=458,440.83

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
<u>CW4/CFAVC/MAFF/2021:</u> The Construction of Training Building for PADC (including infrastructure design and Equipment) –, Lot 1: Takeo, Lot 2: Tbong Khmum and Lot 3: Kampong Cham	268,091.40	282,461.93	Q3-2021	Q4-2021	ADB	NCB	NCB	Lot1:Takeo= 94,290.68 Lot2: Tbong Khum=92,954.64, Lot3: Kampong Cham=95,186.61
<u>CW-19a/CFAVC/MAFF/2021:</u> The Supply, Installation and commissioning of 500 bio digesters and 250 compost huts* -, Lot 1: Kampot Khmum, Lot 2: Takeo, Lot 3: Kampong Cham and Lot 3: Tbong Khum	364,009.00		Q4-2021	Q4-2022	GCF	NCB	NCB	PRC-MEF is reviewing on BER report

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
CW-3b1/CFAVC/MAFF/2021: The Construction of Agricultural cooperative storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design 14 Units in 2021 Lot1 (Kampong Cham) 5 Units Lot2 (Tbong Khmum) 9 Units	1,616,919				ADB	NCB	NCB	
	534,477							
	1,082,442							

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
<u>CW-3b2/CFAVC/MAFF/2021:</u> The Construction of Agricultural cooperative storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design 21 Units in 2021 Lot 3 (Kampot) 8 Units Lot 4 (Takeo) 13Units	1,996,551				ADB	NCB	NCB	
<u>CW-3b3/2022:</u> The Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 12 units in 2022 Lot 1: Kampong Cham Lot 2: Tbong Khmum	760,977 1,235,574				ADB	NCB	NCB	

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
CW-3b4/2022: Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 13 units in 2022 Lot 3 Kampot Lot 4 Takeo	1,860,822				ADB	NCB	NCB	
CW-1a1/: On-farm rainfall water collection ponds Kampot province (20 Ponds)	200,000				ADB	NCB		
CW-1a2/: On-farm rainfall water collection ponds Thong Khmum province (20 Ponds)	200,000				ADB	NCB		
CW-1b1/: On-farm rainfall water collection ponds Kampong Cham province (20 Ponds)	200,000				ADB	NCB		

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
CW1b2/: On-farm rainfall water collection ponds Kampong Cham province (20 Ponds)	200,000				ADB	NCB		
CW-5/: Renovation of Agriculture Extension Building in Kampot	20,000				ADB	Shopping		
CW-11a/: Construction of 04 dryer sheds for 100-ton warehouse (4 X \$30,000)	120,000				ADB	NCB		
CW-7a/: Construction of Mechanization Workshops & Supervision for Takeo Province	62,000				ADB	Shopping		
CW-19b/: Installation and commissioning of 750 bio digesters and 375 compost huts* Lot 1: Tbong Khmum Lot 2: Kampong Cham Lot 3: Takeo Lot 3: Kampot	544,484				GCF	NCB		
CW-18a/: Repairing Glasshouse for Germplasm Maintenance + net house	332,310				ADB	NCB		

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
CW-1b1/: On-Farm Water Catchment Ponds - for 4 provinces (remaining 720)	8,524,251					NCB		
Sub total Civil works =	<u>20,150,801.28</u>							
Goods								
D1/: Demonstration and Training for Laser land levelling (3,500ha)	1,979,592				GFC	NCB		
G-2/: Rapid Test Kits + Bio / Organic Fertilizer Laboratory (materials and equipment)	1,007,722.18				ADB	NCB		
G-5a/: Pick-up Vehicles (2 units x \$40,000)	80,000				ADB	Shopping		
G-6a/: Motorcycle (16 units x \$2,200)	35,200				ADB	Shopping		
G-14/: - Supply circulated cylinder dryers for the 100-ton warehouses (4 Units x US\$75,700) -Supply electrical voltage transformer set for 4 Units x \$27,000) circulated cylinder dryers	62,000				ADB	Shopping		

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
G4/ Equipment for mechanization workshop for 4 provinces (Tbong Khmu, Kampong Cham, Kampot, and Takeo)	656,250				ADB	NCB		
G1a/ Biotechnology (NAL) Laboratory (including tissue culture house equipment)	997,750				ADB	NCB		
G3a/ Equipment & Materials for 2 Drip Irrigations systems (includes tube wells/water source connection, solar pumps and other agricultural inputs and training)	182,460				ADB	NCB		
G7/ ICT Equipment, training, studies	3,502,131				GCF	ICB		
G8/ Paddy milling equipment	112,382				ADB	NCB		
G9/ 5 units Maize sellers (2 ton)	18,730				ADB	Shopping		
Sub total Goods=	8,634,217.18							

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
Consulting Services		467,232						
CS3- Variety development by IRRI (Climate Resilient Varieties Support for CARDI, including: Advancing rice generation, Multi-location trials, On-farm adaptive trials & demonstrations, Breeder & foundation rice seed, Foundation seed for OPV maize)	2,787,015				GCF	SSS		
CS4- ICT (Including: Infrastructure, Software development, training, workshops and demonstrations, consultants, office operations and support costs) - CS4 (2020)	1,737,401.00				ADB	QCB		Follow up with MEF about review CEC report of Consulting Evaluation Committee on shortlisting for consulting services (June 2021) Submit Shortlisting to ADB of Consulting firm for ICT in July 2021) MEF is reviewing on CEC report for final shortlisting (Sep 2021).
Sub total Consultancy =	<u>4,524,416.00</u>							
TOTAL MAFF =	<u>33,309,434.46</u>							
II. MRD								

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
CIVIL WORKS								
Kampot Province								
Rovieng – Chres (11.95 km) CW17a-CFAVC-MRD-KP-01-2020 (Lot 1-package-4)	1,488,481.62				ADB	NCB		<ul style="list-style-type: none"> • IEE submitted to ADB first initial review 14 June 2021. ADB NOL IEE/EMP 9-Jul-21 • Impact Assessment with GDR, 4th week of Jul 2021. Category C, DDR is being prepared bid opened 9 Sept 2021, BER being evaluated.
Kamnab - Srae Chaeng (8.12 km) CW17a-CFAVC-MRD-KP-02-2020 (Lot 2 package-4)	1,046,898.43				ADB	NCB		<ul style="list-style-type: none"> • IEE submitted to ADB first initial review 14 June 2021. • Social safeguard not yet confirmed categorization from GDR A.1.1.1. • Procurement: to be advertised 4th week of June 2021.
Sub total Kampot Province 42.25 km =	5,640,580.06	2,535,380.05			ADB	NCB		
Takeo Province								

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
Phlov Lek 122 (Klong Tvea Wat Totea)- Phlov Tonle Bati (10 km) CW17b-CFAVC-MRD-TK3-2020 (Lot 1 package-1)	1,325,562.03				ADB	NCB	<ul style="list-style-type: none"> • IEE (ADB NOL 3/11/2020) • Social safeguard Cat-B draft final DRP submitted to GDR 26 June 2021. ADB provide NOL to DRP 2nd week of Sept 21. • Procurement: bid opening 12 May 2021, BER being evaluated. BER submitted to ADB for NOL (2nd week of Jul-2021) 	
Wat Ang Andaet-Rumchek-Kraing Ampil (4.67 km) CW17b-CFAVC-MRD-TK4-2020 (Lot 2 package-1)	1,110,942.22				ADB	NCB	<ul style="list-style-type: none"> • IEE (ADB NOL 3/11/2020) • Social safeguard Cat-B draft final DRP submitted to GDR 26 June 2021. • Procurement: bid opening 12 May 2021, BER being evaluated. Same as Lot 1 	
Sub total Takeo Province 79.93 km =	11,190,200.00				ADB	NCB		
Tbong Khmum province								

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
RN73- Khcheay- Wat Thmey (9.77 km), CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1 Package-2)	1,475,481.45				ADB	NCB	<ul style="list-style-type: none"> • IEE (ADB NOL 2/Mar/2021) • Social safeguard Cat-C draft DDR submitted to ADB 29 Mar 2021, ADB provide first comments on 9 May 2021, Third-Party provide comments on 1st June 2021, clarification being conducted follow TP findings and recommendations. The draft DDR (1st submission 4th week of Mar 21) is under revision by consultant based on the comments from ADB and ITP was re-submitted to ADB by 4th week of Aug 2021. • Procurement: bid was advertised 2nd June 2021, • Conducted pre-bid meeting on 14/Jun/21. BER submitted to ADB for NOL 29-Jul-21. 	

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
Ta Pao- Sangkum Meanchey (12 km) CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2 Package-2)	1,586,237.67				ADB	NCB	<ul style="list-style-type: none"> • IEE (ADB NOL 2/Mar/2021) • Social safeguard Cat-C draft DDR submitted to ADB 29 Mar 2021, ADB provide first comments on 9 May 2021, Third-Party provide comments on 1st June 2021, clarification being conducted follow TP findings and recommendations. • Procurement: bid was advertised 2nd June 2021, • Conducted pre-bid meeting on 14/Jun/21. Same as Lot 1 	
subTotal Tbong Khmum Province 105.81 KM	14,813,400.00,							
Kampong Cham Province								
Sambo-Sopheas (9.88 km) CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1 Package-3)	1,280,831.31				ADB	NCB	<ul style="list-style-type: none"> • IEE (ADB NOL 18/May/2021) • Social safeguard Cat-B, DMS survey being conducted by GDR. • Procurement: bid was advertised 2nd June 2021, • Conducted-pre bid meeting on 14 June 2021. BER submitted to ADB for NOL 29-Jul-21. 	

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
Sopheas-O'Beng (4.72 km) CW17d-CFAVC-MRD-KC8-022020 (Lot 1 Package-3)	736,328.11				ADB	NCB		<ul style="list-style-type: none"> • IEE (ADB NOL 18/May/2021) • Social safeguard Cat-B, DMS survey being conducted by GDR. • Procurement: bid was advertised 2nd June 2021, • Conducted-pre bid meeting on 14 June2021. Same as Lot 1
Sub Total Kampong Cham (46.39 km) =	6,467,759.42				ADB	NCB		
Equipment and Supplies								
Consultancy Service								
TOTAL MRD (274.36 Km)	37,349,607.18	8,665,818.34						
III. MoWRAM								
Civil Works								
CFAVC-MOWRAM-TBM-CW13.1	2,565,971.00	1,866,281.87	02 Aug 21	02 Jul 22	ADB	NCB		Kbateuk, Tuo Pring & Trapeang Tros (3)
CFAVC-MOWRAM-TEO-CW15.1	1,749,734.69	1,392,848.85			ADB	NCB		Prey Kdouch & Kraing Empil, waited for DDR Approval
CFAVC-MOWRAM-KPC-CW14.1	2,690,131.66				ADB	NCB		Pram Kompheak & Okamprok (2), DDR not submit yet

Category /item	Amount		Contract Period		Funding Source (ADB, gov't, other donor)	Procurement/ Recruitment method		Comments
	Estimated	Actual	(dd/mm/yy)			Proposed	Actual	
			Start	End				
CFAVC-MOWRAM-KAM-CW12.1	2,470,100.00				ADB	NCB		Kandorl and Prey Takouch (2)
CFAVC-MOWRAM-KAM-CW12.2	2,844,250				ADB	NCB		Trapeang Boeung (1)
CFAVC-MOWRAM-TBM-CW13.2	1,964,210.00				ADB	NCB		Tbong Damrei and Kampong Raing (2)
CFAVC-MOWRAM-KPC-CW14.2	2,987,000.00				ADB	NCB		Protatres & Teuk Char East (2)
CFAVC-MOWRAM-TEO-CW15.2	2,867,160.00				ADB	NCB		Kwaeng Tayi, Chrouk 1 and Prey Rumdeng (3)
CFAVC-MOWRAM-KAM-CW12.3	1,988,310.00				ADB	NCB		Kandorl & Prawoek Pong (2)
CFAVC-MOWRAM-TBM-CW13.3	3,920,000.00				ADB	OCB		Choa Taheung & Trapeang Ampil (2)
CFAVC-MOWRAM-KPC-CW14.3	2,800,000.00				ADB	NCB		Teuk Char West (1)
CFAVC-MOWRAM-TEO.CW15.3	2,570,000.00				ADB	NCB		Potausy, O Rumdourl and Sdok Sab (3)
CFAVC-MOWRAM-TEO-CW15.4	2,850,000.00				ADB	NCB		Canal 42 and Pump, Canal 85 and Soam Canal (3)
Total =	34,266,867.35							
Equipment and supplies								
Consultancies								
Total MOWRAM								

Annex 7. Disbursement three IAs separately - Utilization of Funds

Annex 7.1. PMU: MAFF

PMU: MAFF

Expenditure	Disbursement during the Reporting Period (\$)						Cumulative Disbursement (\$)						Achievement (%) *
	A	B	C	D	E	Total	A	B	C	D	E	Total	
	Loan 3661- CAM	Loan 8346- CAM	Grant 0579- CAM	RGC	Beneficiaries		Loan 3661-CAM	Loan 8346- CAM	Grant 0579- CAM	RGC	Beneficiaries		
Category													
Civil Works	46,896		-			46,896	46,896		2,985	-		49,881	0.2%
Goods (Equipment & Supplies)	-		-			-	831,282		-	-		831,282	37.0%
Capacity Development (Training, Workshops, Seminars)	-		161,131			161,131	-		477,798	-		477,798	2.0%
Consulting Services	297,828		-			297,828	2,857,268		-	-		2,857,268	33.9%
Incremental Operating Costs (Project Management)	70,146		-	25,913		96,059	533,912		-	246,054		779,966	110.1%
Subtotal	414,870	-	161,131	25,913		601,914	4,269,358	-	480,783	246,054		4,996,196	8.9%
JFPR Total						-						-	
GOVERNMENT						-						-	
OTHER DONOR						-						-	
						-						-	
GRAND TOTAL	414,870	-	161,131	25,913		601,914	4,269,358	-	480,783	246,054		4,996,196	8.9%

* Achievement is defined as cumulative disbursement divided by the cost estimate as in the project document.

Annex 7.2. PMU: MOWRAM

PMU:MOWRAM

Expenditure	Disbursement during the Reporting Period (\$)						Cumulative Disbursement (\$)						Achievement (%) *
	A	B	C	D	E	Total	A	B	C	D	E	Total	
	Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		
Category													
Civil Works	383,321	78,328	64,759			526,409	435,951	87,031	71,955	-		594,937	1.4%
Goods (Equipment & Supplies)						-						-	
Capacity Development (Training, Workshops, Seminars)			1,336			1,336			41,061			41,061	13.4%
Consulting Services						-						-	
Incremental Operating Costs (Project Management)	8,586					8,586	39,824			109,890		149,714	29.8%
Subtotal	391,907	78,328	66,095	-		536,331	475,775	87,031	113,016	109,890		785,712	1.8%
JFPR Total						-						-	
GOVERNMENT						-						-	
OTHER DONOR						-						-	
						-						-	
GRAND TOTAL	391,907	78,328	66,095	-		536,331	475,775	87,031	113,016	109,890		785,712	

* Achievement is defined as cumulative disbursement divided by the cost estimate as in the project document.

Annex 7.3. PMU: MRD

PMU: MRD

Expenditure	Disbursement during the Reporting Period (\$)						Cumulative Disbursement (\$)						Achievement (%) *
	A	B	C	D	E	Total	A	B	C	D	E	Total	
	Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		
Category													
Civil Works						-						-	
Goods (Equipment & Supplies)						-						-	
Capacity Development (Training, Workshops, Seminars)						-						-	
Consulting Services						-						-	
Incremental Operating Costs (Project Management)	9,616			5,960		15,576	74,258			45,210		119,468	0.3%
Subtotal	9,616	-	-	5,960		15,576	74,258	-	-	45,210		119,468	0.3%
JFPR Total						-						-	
GOVERNMENT						-						-	
OTHER DONOR						-						-	
						-						-	
GRAND TOTAL	9,616	-	-	5,960		15,576	74,258	-	-	45,210		119,468	0.3%

* Achievement is defined as cumulative disbursement divided by the cost estimate as in the project document.

Annex 8. Safeguards Tracking Indicators

Indicator	Assessment question	Response	Rating
A. Contract Awards			
1. ENV: No works contracts are awarded before the EMP(s) cleared by ADB and any conditions of any national EIA/IEE clearance are incorporated into contract documents	For any project outputs/components with environmental impacts or risks, are there any works contracts that have been awarded by the borrower without EMP(s)* cleared by ADB and any conditions of any national EIA/IEE clearance incorporated into the bid and contract documents?	5. No. Not all contracts are awarded. Contracts under bidding do not contain EMPs cleared by ADB and/or any conditions of any national EIA/IEE [explain]. All awarded contracts included EMPs cleared by ADB and any conditions of any national EIA/IEE clearance. ----- The EMP for the ...<name of subproject>.was cleared by ADB as part of the IEE report, but not included in the Contract. The contract only made a reference to the EMP.	On Track
2. IR: No civil works contracts are awarded before final, detailed engineering design-based RP(s) are cleared by ADB	For any project outputs/components, are there any civil works contracts* that have been awarded by the borrower without ADB's clearance of final, detailed-engineering design-based RP(s)?	3. No. All contracts have been awarded after final RPs/DDR were cleared. ----- Thus far MAFF and MRD has not awarded any contract; MOWRAM only signed one after receiving clearance of the RP/DDR	On track
3. IP: No civil works contracts are awarded before final, detailed engineering design based IPP(s) are cleared by ADB.	For any project outputs/components, are there any civil works contracts* that have been awarded by the borrower without ADB's clearance of final, detailed-engineering design based IPP(s)?	1. Not applicable [explain, Cat C or FI (category A for FI excluded), or no update is required] ----- NO Indigenous People in project area	On track
B. Project Execution: Instruments			
4. ENV: Requisite national environment, health and safety clearances* and ADB environment safeguard clearances are obtained before commencement of applicable works.	For any project outputs/components with environmental impacts or risks, have the requisite national environment, health and safety clearances* and ADB environment safeguard clearances** been obtained before commencement of applicable works.	3. Yes, all clearances were obtained for all works commenced prior to or during reporting period ----- Work started in March 2021 after receiving environmental clearance	On track
5. IR: No displacement occurs before all compensations are fully paid as confirmed by corresponding reporting. *	For any project outputs/components, are there any civil works sites with involuntary resettlement impacts where access is granted to contractor(s) and economic and/or physical	1. No, all compensations/entitlements have been fully paid prior to displacement as confirmed by relevant ADB-cleared reports, for all project sites with involuntary resettlement impacts. (no other option applies). [add comment] -----	On track

Indicator	Assessment question	Response	Rating
*report definition as per OD	displacement occurs before compensations are fully paid to affected persons and other applicable assistance delivered in line with approved RP(s)?	Not relevant in the only project for which a contract has been awarded.	
C. Project Execution: Project Grievances			
6. The project has a functioning GRM and has no high-risk outstanding grievances related to implementation of safeguards.	Does the project meet both criteria below: (a) has a functioning GRM; and (b) has NO Accountability Mechanism (CRP)- eligible complaint(s) on file?	1. Yes, the project meets both criteria (functioning GRM and no CRP-eligible complaint(s) on file). [add comment]	On track
D. Project Execution: Project Safeguards Non-Compliance			
7. There are no outstanding non-compliances related to implementation of safeguards*	Does the project have any outstanding non-compliances* [can be notified by staff, external monitor, regulatory agencies, supervision consultants, borrower, or contractors]?	1. No [add comment, including if previously outstanding CAP actions have been completed]	On track
E. Project Execution: Monitoring			
8. Scheduled monitoring reports are submitted as per agreed schedule, commencing date loan effectiveness *	Is the project up-to-date with the scheduled monitoring reports?	2. Yes. Submitted, reporting up to date or is within a grace period of one month. ----- Last Social Safeguard Monitoring Report (covering Jan - Jun 2021) to submitted early August Last Environmental Safeguard Monitoring Report (covering Jan - Jun 2021) submitted on (28 July Gender 6 Semi-annual report was submitted on 20 July 2021	On track

Annex 9. Mobilization

Annex 9.1. CS1

No	Experts	Firm	Expert		TOTAL INPUT (Vo1) (Months)	PREVIOUS INPUT (Months)	Spent This Reporting period (Months)			New Total (months)	NEW BALANCE (months)
			Original	Replacement			31-Jul	31-Aug	30-Sep		
A.1	International Experts										
K.1.a	Team Leader/Irrigation Management Specialist (Field)	AESA	Manfred Steidel	Willem J van Diest	14.40	6.57				6.57	7.83
K.1.b	Team Leader/Irrigation Management Specialist (Home)	AESA	Manfred Steidel	Willem J van Diest	3.60	1.73				1.73	1.87
K.2.a	Procurement Specialist (Home)	AESA	Marivic Competent		4.17	1.50				1.50	2.67
K.2.b	Procurement Specialist (Field)	AESA	Marivic Competent		1.83	0.65			0.27	0.92	0.91
K.3.a	Social Development and Gender Specialist (Field)	AESA	Ingrid Gray	Peter D.A. Joshi	5.60	2.80	0.34	0.16	0.25	3.55	2.05
K.3.b	Social Development and Gender Specialist (Home)	AESA	Ingrid Gray	Peter D.A. Joshi	0.40	0.39				0.39	0.01
K.4.a	Social Safeguards Specialist (Field)	AESA	Monzurul Hoq		7.30						7.30
K.4.b	Social Safeguards Specialist (Home)	AESA	Monzurul Hoq		0.70	1.75	0.32	0.19	0.57	2.83	(2.13)
K.5.a	Environment and Climate Change Specialist (Field)	AESA	Felix Pascua		7.30						7.30
K.5.b	Environment and Climate Change Specialist (Home)	AESA	Felix Pascua		0.70	1.92	0.11	0.15	0.07	2.25	(1.55)
K.12	Monitoring & Evaluation Specialist	AESA	Ruud Corsel		2.00	1.03				1.03	0.97
N.1.a	PADC Operation and Management Specialist (Field)	AESA	Praful Soni		2.00						2.00
N.1.b	PADC Operation and Management Specialist (Home)	AESA	Praful Soni								
N.2.a	Mechanised Workshop Operation and (Field)	AESA	Paterno Borlagdan		5.84	5.20				5.20	0.64
	Management Specialist										
N.2.b	Mechanised Workshop Operation and (Home)	AESA	Paterno Borlagdan		0.16	0.17				0.17	(0.01)
	Management Specialist										

Sub-total International					56.00	3.71				23.71	32.29
A.2	National Key Experts										
K-6	Deputy Team	SBK	Phai Sokheng		30.00	17.32	1.00	1.00	1.00	20.32	9.68
	Leader/Irrigation Management Specialist										
K-7	Deputy Team	SBK	Srey Heang		30.00	20.23	1.00	1.00	1.00	23.23	6.77
	Leader/Irrigation Management Specialist										
K-8	Deputy Team	SBK	Koam Sothun	Sopha Sovannareth	30.00	12.00	0.45	0.50	0.50	13.45	16.55
	Leader/Irrigation Management Specialist										
K-9	Social Development and Gender Specialist	SBK	Kol Prapey		50.00	18.63	1.00	1.00	1.00	21.63	28.37
K-10	Social Safeguards Specialist	SBK	Oum Sith		60.00	20.18	1.00	1.00	1.00	23.18	36.82
K-11	Environment and Climate Change Specialist	SBK	Mao Vanchann		50.00	17.40	1.00	1.00	1.00	20.40	29.60
N-18	Monitoring & Evaluation Specialist	SBK	Prum Vothana		10.00	3.39	1.00	1.00	1.00	6.39	3.61
N-3	Procurement Specialist MAFF	SBK	Ngann Nala	Chan Sinet	18.00	8.84	1.00	1.00	1.00	11.84	6.16
N-4	Procurement Specialist MOWRAM	SBK	Sam Bora	Leng Bunnara	18.00	12.41	0.23	0.45	0.50	13.59	4.41
N-5	Procurement Specialist MRD	SBK	Leng Bunnara	Khorn Sokkhim	18.00	0.41	0.23	0.23	0.27	1.14	16.86
N-6	Financial Management Specialist PMU-MAFF	SBK	Chhuon Mao		38.00	19.18	1.00	1.00	1.00	22.18	15.82
N-7	Financial Management Specialist MAFF	SBK	Koam Rattana		38.00	19.55	1.00	1.00	1.00	22.55	15.45
N-8	Financial Management Specialist MOWRAM	SBK	Hap Chanthea	Chea Socheata	38.00	10.86	1.00	1.00	1.00	13.86	24.14
N-9	Financial Management Specialist MRD	SBK	Mao Norleak	Thoeurn Chantha	38.00	15.91	0.23			16.14	21.86
N-10	Water Management & Irrigation Engineer Kampong Cham	SBK	Keang Sovann	Vong Dara	28.50						28.50
N-11	Water Management & Irrigation Engineer Tbong Khmum	SBK	Heng Sokkong		28.50	8.82				8.82	19.68
N-12	Water Management & Irrigation Engineer Kampot	SBK	Leng Vandy	Soth Chhongheng	28.50	12.00	1.00	1.00	1.00	15.00	13.50

N-13	Water Managemen & Irrigation Engineer Takeo	SBK	Din Sovathara	Heng Sökkong	28.50	8.82	1.00	1.00	1.00	11.82	16.68
N-14	Cooperative Storage & Rural Roads Engineer Kampong Cham	SBK	Chou Vong		34.00	18.91				18.91	15.09
N-15	Cooperative Storage & Rural Roads Engineer Tbong Khmum	SBK	Vong Sophea	Chuo Vy	34.00	12.00	1.00	1.00	1.00	15.00	19.00
N-16	Cooperative Storage & Rural Roads Engineer Kampot	SBK	Bo Sarin		34.00						34.00
N-17	Cooperative Storage & Rural Roads Engineer Takeo	SBK	Khiev Sophea		34.00						34.00
	Sub-total II				716.00	201.19	15.59	15.05	14.81	246.64	467.98

Annex 9.2. CS2

POSITION			EXPERT NAME		STATUS				Remark by e.Gen
			Original	Replacement	Not Mobilized	Mobilized	Resigned	Input to date	
International Consultants									
1	K-1	International Policy & Standards Advisor / Team Leader	Mr. Pollard Blakeley			√			
2	K-2	Seed Commercialization and Intellectual Property Specialist	Mr. James Stanelle	Dr Sreekanta Sheel		√			
3	K-3	GAP, CSA and SRP Training Specialist	Mr. Matt Zimmerman			√			
4	K-4	Cooperative Agribusiness Training Specialist	Mr. Prabhakar Kasalanati		√				Expert is in the team but hasn't been mobilized yet. The expert will be mobilized as and when required by the project.
5	K-5	Green Financing Specialist	Dr. Jason Hui Hong Yapp		√				Expert is in the team but hasn't been mobilized yet. The expert will be mobilized as and when required by the project.
6	NK-1	Photo-voltaic Specialist	Mr. Syed Ishtiaque Ahmed		√				Expert is in the team but hasn't been mobilized yet. The expert will be mobilized as and when required by the project.
7	NK-2	Bio-slurry Specialist	Md. Abdul Gofran		√				Expert is in the team but hasn't been mobilized yet. The expert will be mobilized as and when required by the project.

8	NK-3	Bio digester Standards Specialist	Mr. Christopher Kellner			√			
National Consultants									
9	K-6	Policy & Standards Advisor	Mr. Chin Keoun	Mr. Hoeung Hun		√			
10	K-7	Bio-slurry Specialist	Mr. Pech Saloeun	Mr. Phuong Dara		√			
11	K-8	Training and Capacity Building Specialist	Mr. Pon Han			√			
12	K-9	Farmer Demonstration Specialist	Mr. Teng Theara	Mr. Heng Sophat		√			
13	K-10	Public Private Partnership Specialist	Mr. Dy Kunthea			√			
14	NK-4	Photo-voltaic Specialist	No Name		√				CV of Koet Munyphadkey proposed for this position. Do we need to submit two more CVs? Please confirm
15	NK-5	Green Financing Specialist	No name		√				CV of Mr. Lor Sokuntheary proposed for this position. Do we need to submit two more CVs? Please confirm
16	NK-6	GAP for tropical fruit (LATE)	Mr. Chan Noeng		√				Is Mr. Chan Noeng selected/rejected by ADB? According to Dr. Srimi's last email, we need to submit three CVs. Do we need to submit two additional CVs as well as Mr. Chan Noeng's CV with comparison sheet or do we need to submit three new CVs?
17	NK-7	FWUC training specialist	Ms. Ly Kalyane	Mr. Soeur Sophorn		√			NOL for Soeur Sophorn received.
18	NK-8	Agricultural Machinery O&M Training specialist	No Name		√				CV of Mr. Srey Bun Doeun proposed for

									this position. We haven't received any feedback on this.
19	NK-9	Laboratory commercialization specialist	No Name		√				
20	NK-10	ISO 17025 accreditation specialist	No Name		√				
21	NK-11	Bio-fertilizer and Organic Fertilizer Testing Specialist	Mr. Mak Chan Ratana			√			NOL for Mr. Mak Chan Ratana received.
22	NK-12	Tissue Culture Development Specialist	Mr. Chhon Yan Vary		√				
23	NK-13	GMO and Phytotoxin Analysis Specialist	No Name		√				
24	NK-14	National Laboratory Coordinator	Mr. Vong Sophorn			√			NOL for Mr. Vong Sophorn received.

Annex 10. Social Safeguard Achievements

Annex 10.1. : Irrigation sub-projects Social Safeguard achievements

Year	Package Number	Province	Commune	District	Subproject Name	# of Subprojects / Package	Comm- and area, ha	Impact Assessment with GDR, Progress	Categor- ization	Survey (DMS/SES/ RCS)	DDR	Third Party	LARP	ADB Submission Date	ADB NOL Date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020																
2020	CFAVC-KP-TP- CW2	Kampot	Tani	Angkor Chey	Trapeang Run	1	100		C	09 July 2020	was cleared by both the ADB and Third Party	Yes		NOL and in ADB website	Got NOL and was uploaded in the ADB website	
	MOWRAM- CFAVC-TBM- CW13.1	Tbong Khmum	PREASH THEAT	Ou Raing Ov	Tumnup Kbal Teuk	3	250	4th week of Nov, 2020	C	IOL and SES Survey, FSDD- CS5, Dec 2020	was submitted from MOWRAM- PMU to ADB on 3rd week of June 2021 for disclosure	Yes		NOL and in ADB website	Got NOL and was uploaded in to the ADB website in July 2021	
			Chikor	Tbong Khmum	Tuol Pring Reservoir		100									
			Thmor Pich	Tbong Khmum	Trapeang Tros Reservoir		350	4th week of Nov, 2020	C	2nd week of Feb, 2021	N/A	N/A	Yes			
	MOWRAM- CFAVC-TEO- CW15.1	Takeo	Trapaing Kra Nhoung	Tram Kak	Prey Kdouch Reservoir	2	550	3rd week of Mar, 2021	C		Yes	Under ITP review on clarific- ation		19 Aug 2021		
			Trapaing Kra Nhoung	Tram Kak	Kraing Empil Embankment		200									
	MOWRAM- CFAVC-KPC- CW14.1	Kampong Cham	Svay Teap	Chamkaler	Pram Kumpheak	2	900	2nd week of June, 2021	C		50%	Yes	Yes	N/A		
			Preach Andong	Stoeng Trong	O Kamprok		350									
	MOWRAM- CFAVC-KPT- CW12.1	Kampot	Srae Khnung	Chuom Kiri	Takouch (Prey Takoch)	1	450	2nd week of Apr, 2021	N/A							
	Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of						9	3,250								
2. Plan for Project Feasibility study and Design in 2021																
2021	MOWRAM- CFAVC-TBM- CW13.2	Tbong Khmum	Chhouk	Krouch Chmar	Tbong Damrei Reservoir	2	600									
			Seda	Dambae	Kampong Raing Feeding Canal		250									
		Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk	3	800	3rd week of Mar, 2021	C		Yes	Yes				

	MOWRAM-CFAVC-TEO-CW15.2		Prey Yuthkar	Koh Andet	Kwaeng Tayee		468	3rd week of Mar, 2021	C		Yes	Yes					
			Prey Romdeng	Kirivong	Prey Romdeng Canal		510	3rd week of Mar, 2021	C		Yes	Yes					
	MOWRAM-CFAVC-KPC-CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	1	950										
	MOWRAM-CFAVC-KPT-CW12.2	Kampot	Sathpong/Trameng/Baniev	Chhouk	Trapeang Boeung	2	800	2nd week of Apr, 2021									
			Kandorl	Teuk Chhou	Kandorl		650	2nd week of Apr, 2021									
	Plan for rehabilitation in year 2021 consisting of 4 Packages covering command area of						9	5028									
	3. Plan for Project Feasibility study and Design in 2022																
2022	MOWRAM-CFAVC-KPC-CW14.3	Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	1400										
			Beung Nay	Prey Chhor	Teuk Cha West		1400										
	MOWRAM-CFAVC-TBM-CW13.3	Tbong Khmum	Teuk Chrov	Dambae	Choam Taheung	2	1500										
			Thmar Pich	Tbong Khmum	Trapaing Ampil		200										
	MOWRAM-CFAVC-TEO-CW15.3	Takeo	Kampeng	Kirivong	Pou Tasuy Reservoir	6	440										
			Prey Romdeng	Tram Kak	O' Rumdoul Reservoir		210										
			Samraong	Tram Kak	Sdok Sab		300										
			Kropum Chhouk	Koh Andet	Pralay 85		850										
			Rominh	Koh Andet	Pralay 42 (pumping Station)		650										
			Soam	Kirivong	Soam Canal		400										
MOWRAM-CFAVC-KPT-CW12.3	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	1	70											
	Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of						11	7,420									
	Total irrigation planned to be studied within 3 years period is 32 irrigation scemes and total of						28	15,698									

Annex 10.2. : Road sub-projects Social Safeguard achievements

No.	Package Name	Subproject Title / Description	Length (KM)	Province	Commune	District	Impact Assessment with GDR, Progress	Categorization	Survey (DMS/SES/RCS)	DDR	Third Party	LARP/ DRP	ADB Submission Date	ADB NOL Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020														
1	CW17a-CFAVC-MRD-KP-01-2020 (Lot 1)	Rovieng - Chres	11.95	Kampot	Chres	Chum Kiri	4th week of Jul, 2021	C						
2	CW17a-CFAVC-MRD-KP-02-2020 (Lot 2)	Kamnab - Srae Chaeng	8.12		Srae Chaeng	Chum Kiri	4th week of Jul, 2021	C						
3	CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Phlov Lek 122 (Khleng Tvea Wat Totea)- Phlov Tonle Bati	10	Takeo	Lumphong	Bati	4th week of Aug, 2020	B	18 Jan, 2021			Under initial review by ADB, it was submitted by GDR/MEF at the end of June 2021	1st week of Jul, 2021	The DRP was approved by ADB on 2nd week Sep 2021 and was uploading into the website since Sep 2021
4	CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Wat Ang Andaet-Rumchek-Kraing Ampil	4.67		Taing Yab	Prey Kabas		B						
5	CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1)	RN73- Khcheay-Wat Thmey	9.77	Tbong Khmum	DamBae	DamBae	3rd week of Dec, 2020	Under the process of categorization by CS5 with guidance from CS1	12 August 2020	expected to be resubmitted to ADB for approval as well as for ITP clarification by next Semi Annual Monitoring Report (Jul-Dec 2021)	Yes		4 week of Mar, 2021	
6	CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2)	Ta Pao-Sangkum Meanchey	12		Toul Snoul	Krouch Chhmar	3rd week of Dec, 2020				Yes		4 week of Mar, 2021	
7	CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1)	Sambo-Sopheas	9.88	Kampong Cham	Sopheas	Stueng Trang	3rd week of Dec, 2020	B	2nd week of Jun, 2021			Yes	DRP preparation	
8	CW17d-CFAVC-MRD-KC8-02-2020 (Lot 2)	Sopheas-O'Beng	4.72		Sopheas		3rd week of Dec, 2020	B	2nd week of Jun, 2021			Yes	DRP preparation	

No.	Package Name	Subproject Title / Description	Length (KM)	Province	Commune	District	Impact Assessment with GDR, Progress	Catego-rization	Survey (DMS/SES/RCS)	DDR	Third Party	LARP/ DRP	ADB Submission Date	ADB NOL Date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Plan for rehabilitation in 2020 covering road length of			71.11												
2. Plan for Project Feasibility study and Design in 2021															
9	CW17a-CFAVC-MRD-KP-01-2021	National road No 33-Wat Damnak Traeung	5.31	Kampot	Samrong Leu	Banteay Meas									
10	CW17a-CFAVC-MRD-KP-02-2021	Wat Sovan Cholsar-O'Kandoal	6.44		Damnak Sokrom	Dang Toung									
11	CW17a-CFAVC-MRD-KP-03-2021	Trapeang Chhuk-Spean Damnak Sokrom	6.6		Mean Rith										
12	CW17a-CFAVC-MRD-KP-04-2021	NR No.41-Prey Khleay- Phum Doung	3.83		Srae Khnoung	Chum Kiri									
13	CW17b-CFAVC-MRD-TK01-2021	Chi Moreas-Tapao	5.4	Takeo	Kampeng	Kirivong									
14	CW17b-CFAVC-MRD-TK02-2021	Phlov Lek 132 - Phum Ang Trao - Phum Steung	8.25		Ou Saray	Tram Kak									
15	CW17b-CFAVC-MRD-TK03-2021	NR No. 3- Trao Aem- Phum Steung	5.8		Cheang Tong	Tram Kak									
16	CW17b-CFAVC-MRD-TK04-2021	NR No. 3- Trapeang Chak	3.4		Trapeang Chak	Tramkak									
17	CW17b-CFAVC-MRD-TK05-2021	Ang Thnoat Khang Lech-Trapeang Srange	4.05		Trapaing Srange	Tramkak									
18	CW17c-CFAVC-MRD-TBK-01-2021	Plov Wat Chroul- Chakar Ko- Kbal Thnal	8.15	Tbong Khmum	Chak	Ou Reang Ov									
19	CW17c-CFAVC-MRD-TBK-02-2021	NR No.73- Phum Smounh	5.5		Lngieng	Tbong Khmum									
20	CW17c-CFAVC-MRD-TBK-03-2021	Wat Ang keng- Phum Samreuy	4.9		Kak	Tbong Khmum									

No.	Package Name	Subproject Title / Description	Length (KM)	Province	Commune	District	Impact Assessment with GDR, Progress	Catego-rization	Survey (DMS/SES/RCS)	DDR	Third Party	LARP/ DRP	ADB Submission Date	ADB NOL Date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	CW17c-CFAVC-MRD-TBK-04-2021	NR No.73- Kok Srok	2.98		Kok Srok	Dombae									
	CW17c-CFAVC-MRD-TBK-05-2021	Phlov Phum Popel	1.3		Koang Kang	Ponhea Kraek									
	CW17c-CFAVC-MRD-TBK-06-2021	Ponhea Kraek Rongroeng	3.8		Koang Kang	Ponhea Kraek									
	CW17c-CFAVC-MRD-TBK-06-2021	NR No.7 - Andoung Chrung	2.82		Popel	Ponhea Kraek									
21	CW17d-CFAVC-MRD-KC-01-2021	Phaav- Sdok Thom	3.93	Kampong Cham	Taing Krasang	Batheay									
22	CW17d-CFAVC-MRD-KC-02-2021	Trapeang Thnoat- Sek Yum	5.5		So Saen	Prey Chhor									
23	CW17d-CFAVC-MRD-KPC-03-2021	Phum Damnak Chrey	5.04		Peam Chi Kang	Kang Meas									
24	CW17d-CFAVC-MRD-KC-04-2021	National road No.7- Prey Rumdeng- Trapeang Bei	7.77		Baray	Prey Chhor									
Plan for rehabilitation in 2020 covering road length of			96.97												
3. Plan for Project Feasibility study and Design in 202															
36	CW17b-CFAVC-MRD-TK1-2022	Wat Angrun-Slar Mo-Trapeang Krasaing-Phum Kodoul	7.33	Takeo	Trapaing Krasaing	Bati									
37	CW17b-CFAVC-MRD-TK2-2022	(I) NR No 2- Chrouy Slaeng, (II) Phlov Sahakum Samaki, (III) Phum dang Het- Wat Champa	5.85		Kiri Chong Kaoh	Kirivong									
	CW17b-CFAVC-MRD-TK6-2022	Thlra Prachum-Khlong Tvea wat Tralach	6.28		Krapum Chhouk	Kaoh Andaet									

No.	Package Name	Subproject Title / Description	Length (KM)	Province	Commune	District	Impact Assessment with GDR, Progress	Catego-rization	Survey (DMS/SES/RCS)	DDR	Third Party	LARP/ DRP	ADB Submission Date	ADB NOL Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	CW17b-CFAVC-MRD-TK7-2022	NR No. 2- Phum Kvav	7		Champa	Prey Kabas								
	CW17b-CFAVC-MRD-TK8-2022	Salakhum Cheung Koun-Phum Cheung Koun-Tumnup Ang Chang Er	4.4		Thlea Prochum	Kaoh Andaet								
	CW17b-CFAVC-MRD-TK9-2022	Khlong Tvear Wat Ang Roka-Srae Tasok	7.5		Khvav	Samrong								
	CW17c-CFAVC-MRD-TBK-01-2022	Seda Meanchey-Chrey Phluk	13.1	Tbong Khmum	Cheung Kuon	Samrong								
	CW17c-CFAVC-MRD-TBK-02-2022	Unknown, to be confirmed by PDRD	17		Boeung Tranh Khang Cheung	Samrong								
	CW17c-CFAVC-MRD-TBK-03-2022	Unknown, to be confirmed by PDRD	14.84		Dambae	DamBae								
	CW17c-CFAVC-MRD-TBK-04-2022	NR No.73-Phum Smounh	9.65		Tuek Chrov	DamBae								
	CW17d-CFAVC-MRD-KC-01-2022	Sandaek- Kuma	5.8	Kampong Cham	Doun Tei	Ponhea Kraek								
	CW17d-CFAVC-MRD-KC-02-2022	Rovieng-Chheuteal-Skun	3.75											
Plan for rehabilitation in 2020 covering road length of			102.5											
Total road planned to be studied within 3 years period is 48 lines and total of			270.58											

Annex 11. Environmental Safeguard Achievements

Annex 11.1. Irrigation sub-projects Environmental Safeguard achievements

Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/ Package	Command area, ha	IEE	First Date ADB Submission	Date ADB NOL
1	2	3	4	5	6	7	8	9	10	11
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020										
2020	CFAVC-KP-TP-CW2	Kampot	Tani	Angkor Chey	Trapeang Run	1	100	The final environmental monitoring was conducted on 4-5 August 2021 for completed construction	10-Jun-20	21-Jul-20
	MOWRAM-CFAVC-TBM-CW13.1	Tbong Khmum	PREASH THEAT	Ou Raing Ov	Tumnup Kbal Teuk	3	250		4-Nov-20	11-Feb-21
			Chikor	Tbong Khmum	Tuol Pring Reservoir		100	4-Nov-20	11-Feb-21	
			Thmor Pich	Tbong Khmum	Trapeang Tros Reservoir		350	4-Nov-20	11-Feb-21	
	MOWRAM-CFAVC-TEO-CW15.1	Takeo	Trapaing Kra Nhoung	Tram Kak	Prey Kdouch Reservoir	2	550	16-Mar-21	25-Jun-21	
			Trapaing Kra Nhoung	Tram Kak	Kraing Empil Embankment		200	16-Mar-21	25-June-21	
MOWRAM-CFAVC-KPC-CW14.1	Kampong Cham	Svay Teap	Chamkaler	Pram Kumpheak	2	900	100% drafting completed and sent to TL/DTL/international ENV expert for reviewing on 28 Sept 2021			
		Preach Andong	Stoeng Trong	O Kamprok		350	100% drafting completed and sent to TL/DTL/international ENV expert to finalize on 28 Sept 2021			
MOWRAM-CFAVC-KPT-CW12.1	Kampot	Srae Khnung	Chuom Kiri	Takouch (Prey Takoeh)	1	450	35% drafting completed			
Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of						9	3,250			
2. Plan for Project Feasibility study and Design in 2021										
2021	MOWRAM-CFAVC-TBM-CW13.2	Tbong Khmum	Chhouk	Krouch Chmar	Tbong Damrei Reservoir	2	600			
			Seda	Dambae	Kampong Raing Feeding Canal		250			
	MOWRAM-CFAVC-TEO-CW15.2	Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk	3	800			
			Prey Yuthkar	Koh Andet	Kwaeng Tayee		468			
			Prey Romdeng	Kirivong	Prey Romdeng Canal		510			
	MOWRAM-CFAVC-KPC-CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	1	950			
MOWRAM-CFAVC-KPT-CW12.2	Kampot	Sathpong/ Trameng/ Baniev	Chhouk	Trapeang Boeung	2	800				
		Kandorl	Teuk Chhou	Kandorl		650				
Plan for rehabilitation in year 2021 consisting of 4 Packages covering command area of						8	5028			

2022	MOWRAM-CFAVC-KPC-CW14.3	Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	1400			
			Beung Nay	Prey Chhor	Teuk Cha West		1400			
	MOWRAM-CFAVC-TBM-CW13.3	Tbong Khmum	Teuk Chrov	Dambae	Choam Taheung	2	1500			
			Thmar Pich	Tbong Khmum	Trapaing Ampil		200			
	MOWRAM-CFAVC-TEO-CW15.3	Takeo	Kampeng	Kirivong	Pou Tasuy Reservoir	6	440			
			Prey Romdeng	Tram Kak	O' Rumdoul Reservoir		210			
			Samraong	Tram Kak	Sdok Sab		300			
			Kropum Chhouk	Koh Andet	Pralay 85		850			
			Rominh	Koh Andet	Pralay 42 (pumping Station)		650			
	Soam	Kirivong	Soam Canal	400						
	MOWRAM-CFAVC-KPT-CW12.3	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	1	70			
Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of						11	7,420			
Total irrigation planned to be studied within 3 years period is 32 irrigation schemes and total of						28	15,698			

Annex 11.2. Road sub-projects Environmental Safeguard achievements

No.	Package Name	AC Name	Province	Commune	District	Ranking Priority (Year)	Road Length (km)	IEE	First Date ADB Submission	Date ADB NOL
1	2	3	4	5	6	7	8	9	10	11
1. Plan for road sub-projects planned in 2020										
1	CW17a-CFAVC-MRD-KP-01-2020 (Lot 1)	Raksmei Samaky Amatak	Kampot	Chres	Chum Kiri	2020	11.94		02 June 2021	09 Jul 2021
2	CW17a-CFAVC-MRD-KP-02-2020 (Lot 2)	Kasikor Samaki Rungreung		Srae Chaeng	Chum Kiri		8.1		02 June 2021	09 Jul 2021
3	CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Lom Pung Samaky	Takeo	Lumpong	Bati		10.01		20 Jul 2020	03 Nov 2020
4	CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Sdok Sdam		Taing Yab	Prey Kabas		4.67		20 Jul 2020	03 Nov 2020
5	CW17c-CFAVC-MRD-TBK-5-2020 (Lot 1)	Dambe Rung Roeung	Tbong Khmum	Dam Bae	Dam Bae		9.77		26 Jan 2021	13 May 2021
6	CW17c-CFAVC-MRD-TBK-6-2020 (Lot 2)	Kdei SangKhoem Kasekar		Toul Snoul	Krouch Chhmar		12		26 Jan 2021	13 May 2021
7	CW17d-CFAVC-MRD-KC7-01-2020 (Lot 1)	Sombo Meanchey	Kampong Cham	Soupeas	Stueng Trang		9.88		02 May 2021	18 May 2021
8	CW17d-CFAVC-MRD-KC8-02-2020 (Lot 2)	Stung Trang Senchey		Soupeas			4.72		02 May 2021	18 May 2021
Plan for rehabilitation in year 2020 of 4 Packages Road sub-projects with Length of							71.09			
2. Plan for road sub-projects planned in 2021										
9	CW17a-CFAVC-MRD-KP-01-2021	Sen Han Cham Reoun Phal	Kampot	Samrong Leu	Banteay Meas	2021	5.31	25% drafting completed		
10	CW17a-CFAVC-MRD-KP-02-2021	Ratanak Pulrath Samaki		Damnak Sokrom	Dang Toung		6.44	25% drafting completed		
11	CW17a-CFAVC-MRD-KP-03-2021	Preykrang Meanrit		Mean Rith			6.9	25% drafting completed		
12	CW17a-CFAVC-MRD-KP-04-2021	Samaki Amatak		Srae Khnoung	Chum Kiri		3.83	25% drafting completed		
13	CW17b-CFAVC-MRD-TK01-2021	Kampeng Sok Sen Sambo	Takeo	Kampeng	Kirivong		5.4	25% drafting completed		
14	CW17b-CFAVC-MRD-TK02-2021	Samaky Trapeang Kralanh		Ou Saray	Tram Kak		8.25	25% drafting completed		
15	CW17b-CFAVC-MRD-TK03-2021	Bak Sey Rik Ray		Cheang Tong	Tram Kak		5.8	25% drafting completed		
16	CW17b-CFAVC-MRD-TK04-2021	Samaki Trapeang Chark		Trapeang Chak	Tramkak		3.4	25% drafting completed		
17	CW17b-CFAVC-MRD-TK05-2021	Trapeang Srangae		Trapaing Srangae	Tramkak		4.05	25% drafting completed		
18	CW17c-CFAVC-MRD-TBK-01-2021	Sammaky Meanchey	Tbong Khmum	Chak	Ou Reang Ov	8.15	25% drafting completed			
19	CW17c-CFAVC-MRD-TBK-02-2021	Lngieng Meamchey		Lngieng	Tbong Khmum	5.5	25% drafting completed			

20	CW17c-CFAVC-MRD-TBK-03-2021	Samaki Kak		Kak	Tbong Khmum		4.9	25% drafting completed			
21	CW17c-CFAVC-MRD-TBK-04-2021	Baitong Korksrok		Kok Srok	Dombae		2.98	25% drafting completed			
22	CW17c-CFAVC-MRD-TBK-05-2021	Akphiriek Ponhea Kraek Dambae		Koang Kang	Ponhea Kraek		1.3	25% drafting completed			
23	CW17c-CFAVC-MRD-TBK-06-2021	Ponhea Kraek Rongroeung		Koang Kang	Ponhea Kraek		3.8	25% drafting completed			
24	CW17c-CFAVC-MRD-TBK-07-2021	Popel Meanchey		Popel	Ponhea Kraek		2.82	25% drafting completed			
25	CW17d-CFAVC-MRD-KC-01-2021	Akphivath Multhan Yeung	Kampong Cham	Taing Krasang	Batheay		3.93	25% drafting completed			
26	CW17d-CFAVC-MRD-KC-02-2021	Akpiwat Kaksekor		So Saen	Prey Chhor		5.5	25% drafting completed			
27	CW17d-CFAVC-MRD-KPC-03-2021	Ponluk Thmey		Peam Chi Kang	Kang Meas		5.04	25% drafting completed			
28	CW17d-CFAVC-MRD-KC-04-2021	Sammaki Baray Angdong Ang		Baray	Prey Chhor		7.77	25% drafting completed			
Plan for rehabilitation in year 2021 of 6 Packages Road sub-projects with Length of							101.07				
3. Plan for road sub-projects planned in 2022											
29	CW17b-CFAVC-MRD-TK1-2022	Sensok Toek Thla	Takeo	Trapaing Krasaing	Bati	2022	7.33				
30	CW17b-CFAVC-MRD-TK2-2022	Phum Bey Meanchey		Kiri Chong Kaoh	Kirivong		1.5				
31	CW17b-CFAVC-MRD-TK3-2022	Phum Bey Samaky		Krapum Chhouk	Kaoh Andaet		0.55				
32	CW17b-CFAVC-MRD-TK4-2022	Champa Prey Phdav		Champa	Prey Kabas		3.8				
33	CW17b-CFAVC-MRD-TK6-2022	Rolous Meas		Thlea Prochum	Kaoh Andaet		6.28				
34	CW17b-CFAVC-MRD-TK7-2022	Samaky Amatak Khvav		Khvav	Samrong		7				
35	CW17b-CFAVC-MRD-TK8-2022	Cheung Kuon Choukchey		Cheung Kuon	Samrong		4.4				
36	CW17b-CFAVC-MRD-TK9-2022	Punleu Kasikar		Boeung Tranh Khang Cheung	Samrong		7.5				
37	CW17c-CFAVC-MRD-TBK-01-2022	Seda Meanchey	Tbong Khmum	Dambae	DamBae		13.10				
38	CW17c-CFAVC-MRD-TBK-02-2022	Kaksekor Dambae		Tuek Chrov	DamBae	17					
39	CW17c-CFAVC-MRD-TBK-03-2022	Romdoul Dountei		Doun Tei	Ponhea Kraek	14.84					
40	CW17c-CFAVC-MRD-TBK-04-2022	Lngieng Meanchey		Lngieng	Tbong Khmum	9.65					
41	CW17d-CFAVC-MRD-KC-01-2022	Toul Preah Vihea	Kampong Cham	Sompong Chey	Cheung Prey		5.80				
42	CW17d-CFAVC-MRD-KC-02-2022	Reamea Cheung Prey		Pdau Chum		3.75					

Plan for rehabilitation in year 2022 of 6 Packages Road sub-projects with Length of	79.85			
Total road planned to be studied within 3 years period is 48 lines and total of	252.01			

Annex 12. Gender Action Plan (Gap) Monitoring Table

September, 2021

Project Title: Climate Friendly Agribusiness Value Chain Sector Project (CFAVC)**Country:** Cambodia**Project No.:** 48409-002**Type of Project (Loan/Grant/TA):** 3616**Approval and Timeline:** June 2018 to 2024**Gender Category:** EGM**Mission Leader:** Srinivasan Ancha**Project Impact:** Agricultural Competitiveness Improved

Project Outcome: Productive and resource-efficient agribusiness value chain developed in the project areas.

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)	Progress to date (as of July 2021) (This should include information on period of actual implementation, sex-disaggregated quantitative updates (e.g. number of participating women, women beneficiaries of services, etc.), and qualitative information. However, some would be on-going - so explain what has happened so far towards meeting the target.	Issues and Challenges (Please include reasons why an activity was not fully implemented, or if targets fall short, or reasons for delay, etc., and provide recommendations on ways to address issues and challenges)
Output 1: Critical agribusiness value chain infrastructure improved and made climate resilient		
<p>(i) Women are 40% of participants—involve women and <i>Women Farmers Network (WFN) actively participate in each individual event for all consultation, planning activities related to improvement and climate resiliency of critical infrastructure supported by the project.</i></p> <p>Target 1: On track</p>	<p>In September 2021, CS2 component with PPIU and GFS conducted:</p> <ul style="list-style-type: none"> • Monthly meeting to update the progress of project implementation and next month's planning with involved ACs and WFN and extension workers with total of 18 participants (2 Females or 11%) • Organized a coordination and monitoring meeting to extend the marketing and coordination mechanism in providing information to relevant partners in the Takeo province with total of 22 participants (5 females or 23%). • Worked with 22 TWGs (CS2, DACP, DAI, PPIU) to assess strong ACs and private sectors linked to cassava crop 	<ul style="list-style-type: none"> • It is observed the figures are more than the set target due to use the existing list. • No budget for provided gender training and waiting for ADBs approval on the Pilot practical training.

production chain and cassava crop product market business, collect all information for preparing slide presentations from ACs, DAI, DACP, DIC and private sector to process of Cassava consultation forum at provincial level- arrangement in KPC and collect inputs for preparing annual budget plan and work plan for years 2022 link to PPP sector as a part of CS2 under CFAVC project. **In sum total 108 participants (49 females or 45%). (Please see table below)**

Description of activities	# Participants		
	Total	F	%
Worked with 7 TWGs (CS2, DACP, DAI, PPIU) to assess strong ACs and private sectors linked to cassava crop production chain and cassava crop product market business.	61	31	51%
Worked with 7 TWGs (CS2, PPIU) to collect all information for preparing slide presentations from ACs, DAI, DACP, DIC and private sector to process of Cassava consultation forum at provincial level-arrangement in KPC.	17	10	59%
Worked with 8 TWGs (CS2, PPIU) to collect inputs for preparing annual budget plan and work plan for year's 2022 link to PPP sector as a part of CS2 under CFAVC project.	30	8	27%
In sum total	108	49	45%

- In September 2021, GFPs representing each provincial department (PDOAFF, PDOWRAM, PDORD) and ACs/WFNs were involved in meetings with the team at national level, incl. to update the progress activities of ACs, challenges, and prepare the planning link for the agribusiness value chain implemented by PPIU/PDAFF (GFP) with a total of **30 participants (21 females/63%)**.

Province	Numbers of participants	Activity

	<table border="1"> <tr> <td>Kampot</td> <td>8 (female 6 / 75%)</td> <td>•Participate in the meeting to review the progress of ACs/WFNs, challenges and further directions.</td> </tr> <tr> <td>Takeo</td> <td></td> <td>•No activities</td> </tr> <tr> <td>Tbong Khmum</td> <td>22(F 15 /68 %)</td> <td>•Awareness dissemination to promote and encourage women ACs to participate in events for consultation, planning and raising the needs and challenges of women in ACs at Trea commune, Krouch Chhmar district,</td> </tr> <tr> <td>Kampong Charm</td> <td></td> <td>No activities</td> </tr> </table>	Kampot	8 (female 6 / 75%)	•Participate in the meeting to review the progress of ACs/WFNs, challenges and further directions.	Takeo		•No activities	Tbong Khmum	22(F 15 /68 %)	•Awareness dissemination to promote and encourage women ACs to participate in events for consultation, planning and raising the needs and challenges of women in ACs at Trea commune, Krouch Chhmar district,	Kampong Charm		No activities																													
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Kampong Charm		No activities																																								
<p>(ii) At least 50,000 females benefiting from rehabilitated climate resilient irrigation and water management systems</p> <p>Target 2: On track</p>	<ul style="list-style-type: none"> • The storages of selected AC for 2020 across started with construction work from 15 - 30 August 2021 in difference place to be completed by 30 December 2021. In September, a total of 45 workers (12 unskilled workers) with 12 females (4 from the company and 8 from villages) were hired, equal to 27%. <table border="1"> <thead> <tr> <th>Province</th> <th>Total worker</th> <th>females unskilled workers</th> <th>% Unskilled females' workers</th> <th>worker from company (days)</th> <th>Females' worker from company (days)</th> <th>workers from village</th> <th>Females' workers from village</th> </tr> </thead> <tbody> <tr> <td>TK</td> <td>11</td> <td>3</td> <td>27%</td> <td>11</td> <td>3</td> <td>0</td> <td>0</td> </tr> <tr> <td>KP</td> <td>13</td> <td>3</td> <td>23%</td> <td>1</td> <td>0</td> <td>12</td> <td>3</td> </tr> <tr> <td>KC</td> <td>11</td> <td>3</td> <td>27%</td> <td>3</td> <td>0</td> <td>8</td> <td>3</td> </tr> <tr> <td>TB</td> <td>10</td> <td>3</td> <td>30%</td> <td>4</td> <td>1</td> <td>6</td> <td>2</td> </tr> </tbody> </table>	Province	Total worker	females unskilled workers	% Unskilled females' workers	worker from company (days)	Females' worker from company (days)	workers from village	Females' workers from village	TK	11	3	27%	11	3	0	0	KP	13	3	23%	1	0	12	3	KC	11	3	27%	3	0	8	3	TB	10	3	30%	4	1	6	2	
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	In sum total	45	12	27%	19	4	26	8																																																
<p>1.2.1 At least 25% of workdays created will be filled by women disaggregated by skilled/unskilled and type of <i>work related to infrastructure construction/ rehabilitation as well as operation and maintenance.</i></p> <p>Target 3: On track</p>	<ul style="list-style-type: none"> The construct storages of selected AC for 2020 across started construction by Huot Chhoeun Co.,Ltd.,the action plan(s) were designated as being accountable for specific objectives and activities for Gender and women participation. The contractor is responsible for ensuring that women participation is monitored to meet the contract requiring at least 25% of all workdays to be filled by women. All of GFP in the target province follow up the contractor and encourage women in villages commune to work with the construction of the 4 warehouses at ACs warehouse and training building construction with total of 1241 workdays were offered in September. Of these, skilled workers did 615 working days, 619 were done by unskilled workers, and females equated for 330 working days, which equals 27%, the worker from company were done 683 day and workers from villages 775 days. Thus, the target for unskilled female workers more than to the Project target of 25%. 								<ul style="list-style-type: none"> The New construction was started in 01. August 2021 by contractor HOUT CHHOUENG CONSTRUCTION Co., Ltd. in Snor Village, Sangkat Rokar khnung, Daun keo city, Takeo Province. 																																															
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	<ul style="list-style-type: none"> • Tasks and activities performed by women and men: Men: Operating machines, general measurements, making of formwork, casting of concrete, steel bending, wiring, transporting of heavy work (incl. with use of machines). Women: Small and light work such as wiring, curing water, mixing cement, cleaning of sites and cooking. No “child labor” is hired by the contractor since the project start. • Unskilled men and women receive equal pay for same work and fair payment. For example, women earned in amounts of 35,000 riels to 40,000 riels per day, while men received the same amounts per day inclusive, without food, provided by the contractor. • Women un-skill workers in communities were encouraged to work in the construction side. 	
<p>1.2.2 Provide skills enhancement for women in infrastructure related construction/rehabilitation (e.g., masonry skills for bio-digesters construction), and operation and maintenance (e.g., small-scale irrigation schemes)</p> <p>Action 1: On track</p>	<ul style="list-style-type: none"> • CS2 component courses of TOT training on quality control construction techniques and extension methods of bio digester and bio-slurry for PDAFF & extension workers in Kampot with total 38 participants (10 females or 26%). 	
<p>1.2.2 At least 30% women FWUC members developed capacity to operate and maintain irrigation schemes.</p> <p>Target 4: On track</p>	<ul style="list-style-type: none"> • CS2 with GFPs establish 26 FWUCs and made full operation; and strengthening capacity building to FWUCs representatives in Trapaing Run and Prey Kduoch irrigation system in Kampot was completed in 8 steps or 80% completion in Tbong Khmum (Tuol Pring, Trapaing Tros, and Ta Kem) fully completed FUWCs establishment in cooperation with the DFWUC, organized an event and handing over the stamps officially usage with total 41 participants (11 females or 27%). 	<ul style="list-style-type: none"> • The participants of FWUCs used the existing list so the target under 3 % of the target project set and female in the FWUC have many core work activities. • FWUC establishment stow in progress due to slow in irrigation system rehabilitation
<p>1.3.1 As part of the promotion campaigns about bio digesters and other renewable energy</p>	<ul style="list-style-type: none"> • In September 2021, CS2 component conducted: 	<ul style="list-style-type: none"> • The number of field work increased slightly, but is still affected due to COVID-19.

solutions, raise awareness among women and men in the communities about the benefits for value chain improvement/climate change but also for greater gender equality (time saving, drudgery reduction, improved health).

Action 2: On track

- 90 Keys farmers were follow-up on Rice seed demonstration (types: CAR16, Phka Mealdey, Phka and Romduol) with total **38 farmers (19 Female or 50 %)** in 4 target provinces.
- 10 keys farmers on cassava seed plots are processing in step planting were demonstration and follow-up with total **8 farmers (4 female or 40 %)** in 2 target provinces (KCM&TBK)
- In sum total, 90 keys farmers' Rice seed demonstrations and 10 cassava plots with a total of **46 farmers (23 female or 45%%)**.
- Organized 1 model farmers training and exchange visit in Kep province, focused on technical aspect of bio-slurry use and management and compost making and sharing the success experiences of growing vegetable on shelter in adaptation of climate change, compost making for model farmers in target provinces with total of 41 participants (8 females or 20%).
- CS2 and PPIUs conducted 6 times coaching with 90 groups of field coaching and mention on promotion and marketing in Tbong Khmum, Takeo, and Kampong Cham with total 951 farmers (369 female or 39%) on promoting bio digester and compost hut program.
- Gender Focal Points (GFPs) , CS2 and PPIU conducted training and study tour for exchange field visited on Bio-digester and Compose Huts and use of bio digester and compose Huts to ACs and WFN , meet every month (also for September 2021), for attending project meetings and follow up with ACs/WFNs and construction sites to oversee the project implementation and raising the demonstration experiments of model farmers, demonstrate a diversified farming system using short-term compost on vegetable crops, Bio-digester and compost Huts and monitor women's participation and record/report on gender issues with a total of **450 participants (184 females/41%)**.

Province	Numbers of participants	Activity
Kampot	38(F 9 / 24 %)	•On 24-27 August 2021, CS2 specialist cooperated PPIUs

- Training on plant issue culture development, bio fertilizer and bio pesticide production and quality testing delay (still in process of contacting with local resource provider)
- Construction of the Bio-digester is slow, the buyers are not confident.

		15 (F 5 / 33 %)	Project staff and GFP conducted 2 training on Bio-digester and Compose Huts to ACs and WFN at PDAFF with total 38 participants (9 females or 24%).	
		40(F9 / 23 %)	<ul style="list-style-type: none"> •On 09-10 September 2021, GFPs conducted 2 selecting and checked farmers' locations for demonstration of mixed agriculture, Bio-digester and composting of environmental production of the project in Banteay Meas and Chumkiry district Kampot province. •On 10 September 2021 participate in the training of model farmers and study tour for exchange field visited on the use of bio digester and compose Huts, vegetable growing techniques, growing vegetables on the shelter and compost production method at Sangkum Mith Hotel, Kep Province • On 14-17 September 2021, participate in outreach workshop and reflect on the benefits of construction Bio digester and compost Huts at the Sangkum Mith Hotel, Kep province. 	
		40(F9 / 23 %)		
		In sum total 133 (F32/ 24%)		
	Takeo	11 (F6 / 55 %)	•2 times conducted introduction of vegetable growing techniques, demonstrated the effectiveness of compost and vegetables on the shelf and	

		<p>8 (F5/ 63%)</p> <p>141 (F49/ 35%)</p> <p>28 (F16/ 57%)</p> <p>In sum total 188(F 76 /40%)</p>	<p>following up the growth of vegetables in mixed agriculture.</p> <ul style="list-style-type: none"> • 2 times follow up the planting of vegetables on the shelter, 8 participants, 5 females. •Conducted 15 disseminations of Bio-digesters and compost Huts in the field and at the home of the farmers. •16 interested buyers, 12 interested in building Bio-digester and compose Huts. 	
	Tbong Khmum	62 (F37/ 60 %)	<ul style="list-style-type: none"> •On September 2, 2021, conducted raise awareness and promoted the Bio-digester compose and Huts and gender mainstreaming integration in the agricultural sector with distributed a copy of the Bio-digester leaflet handed over to each village chief for further dissemination to the beneficiary in Damnak Beng , Po , Meas and Tuol Tonsong village, Ampil Tapok commune, Oreang district. 	
	Kampong Charm	67 (F 39 / 58%)	<ul style="list-style-type: none"> •Participated in training of farmers' schools on sustainable rice in Sambo Meanchey ACs /Chealair Akphivat ACs and Baray Andong Ang ACs, and follow up Cassava Seed Demonstration in Sambo Meanchey and Stung Trang Sen Chey Communities. 	
1.3.1 At least 40,000 women (or 50% of total beneficiaries) are beneficiaries of bio digesters and			<ul style="list-style-type: none"> • In September 2021, no bio digester and compost hut construction and installation activities started yet. In this case the total of 160 new clients across target provinces was 	<ul style="list-style-type: none"> • Followed up the bid reviewing and evaluation report submitted to ADB.

<p>compost huts installed (baseline: 5,721 women).</p> <p>Target 5: On track with below target figures</p>	<p>identified for bio digester and 124 new eligible clients across target provinces identified compost hut construction and installation.</p> <ul style="list-style-type: none"> • CS2 component courses of TOT training on quality control construction techniques and extension methods of bio digester and bio-slurry for PDAFF & extension workers in Kampot with total 38 participants (10 females or 26%). • In September 2021, the GFPs in Takeo province conducted Training awareness on the benefits of Bio-digester and compost Huts to model farmers and agency with total 14 participants (4 female or 29%). 	<ul style="list-style-type: none"> • The progress of bio digester and compost hut program tender and procurement process still pending and need time to review bidding evaluation report before submitting to ADB for NOL • COVID-19 spread out in the target commune. The GFPs at local and provincial level will continue to push for the target. The Gender team notice better performance and understanding of project modalities from GFPs. • Vegetable growing techniques on the shelf is limited with a low market price. • Slow construction, customers are not confident.
<p>1.3.2 Number and percentage of women active agents <i>in the promotion of campaigns on the use of renewable energy solutions.</i></p> <p>Target 6: Target not met yet</p>	<ul style="list-style-type: none"> • CS2 and PPIU with GFPs conducted: <ul style="list-style-type: none"> - Dissemination/reflection workshops on benefits bio digester, bio-slurry and identifying new potentials farmers who are eligible for bio digester and compost hut program and marketing of the bio-digester and bio-slurry activities organized in Svay Rieng province with total 39 participations (6 female or 15%) - 10 courses of training to extension officers/workers for bio digester and bio-slurry in Tbong Khmun are 3 courses, Takeo are 4 courses and Kampot are 3 courses on extension methodology with total 114 participants (33 female or 30%). - 7 courses of small group or village meeting to identifying interest clients in Kampong Cham, Tbong Khmum and Kampot with 149 participants (73 females or 49%). In sum total 302 participants (112 female or 37 %). 	<ul style="list-style-type: none"> • The CADRI contract with IRRI and ADB slow progress
<p>Output 2: Climate smart agriculture and agribusiness promoted</p>		
<p>2.1.1 Number and % of women farmers involved <i>in selection and</i></p>	<ul style="list-style-type: none"> • 119 females or 65% out of 184 participants were introduced to the crop care techniques. Model farming and mixed farming 	<ul style="list-style-type: none"> • Women stated they were busy with their house work and kids.

<p><i>multiplication of climate resilient crops varieties and building on their local knowledge in this area.</i></p> <p>Target 7: Target not met yet</p>	<p>systems demonstrated the effectiveness of vegetable composting and selection of multiplication crops with adaptation to the climate, roofing of vegetables, covering crops and continuing growing and expanding vegetables planting for implementation in the community.</p>		<ul style="list-style-type: none"> • Vegetable growing techniques on the shelf are still limited and offers low market prices. • COVID-19 spread out in the target commune. 	
	Province	Numbers of participants		Activity
	Kampot			No activities implemented
	Takeo	22 (F18/82 %)		<ul style="list-style-type: none"> •1 model farmer demonstrate mixed farming systems and demonstrates the effect of vegetable compost Huts on the shelf with selected climate resistant vegetable varieties, vegetable roofing and Climate Resistant Crop Coverings, harvested and income and Continuing Planting
		86 (F 64/74 %)		<ul style="list-style-type: none"> •16 selected fields show the production of 16 Romduol varieties for demonstration to the participants • Tagged the field show, introduced the techniques of purification, cutting, mixing, weeding to the farmers.
	26 (F 20 /77 %) In sum total 134 (F 102 or 76 %)			
Tbong Khmum	30(F 5 /17 %) 20 (F 12/ 60 %) In sum total 50(F 17or 34%)	<ul style="list-style-type: none"> •2 Training on SRP farmers' demonstration school on sustainable rice production SRP in <ul style="list-style-type: none"> - Kork Srok village, Kork Srok commune, Tambor district. - Trapeang Sra Nge village, Kork Srok commune, Tambor district. 		
Kampong Charm		No activities		

<p>For 2.1.2 (1): Women are 40% of total participants (<i>aggregate basis</i>) or at least 16,000 women farmers are trained in CSA and agribusiness development skills and agricultural extension and technical capacity-building activities including those related to climate change adaptation and mitigation</p> <p>Target 8:</p>	<ul style="list-style-type: none"> • The activities are pending approval of the Annual Work Plan 2021 by ADB and MEF. 	<ul style="list-style-type: none"> •
<p>For 2.1.2 (3): Women are 40% of total participants (<i>aggregate basis</i>) or at least 16,000 women farmers are trained on management (including leadership, negotiation) and business skills trainings.</p> <p>Target 9:</p>	<ul style="list-style-type: none"> • The activities are pending approval of the Annual Work Plan 2021 by ADB and MEF. 	
<p>For 2.1.2 (2): (i) Number and percentage of women farmers trained in each event (trainings on how to operate and maintain a range of agricultural machinery.</p> <p>Target 10: On track</p>	<ul style="list-style-type: none"> • On 06 to 10 September 2021, CS2 component conducted TOT on O&M Agricultural Machinery with total 9 (1 female or 11 %), and TOT on ACs Marketing Principles with total 10 (4 female or 4 %). In sum total 31 participants (6 female or 19 %) is in the 3 TOTs of the 4 target provinces at the provincial level. 	<ul style="list-style-type: none"> • Women are less involved due to being busy with their housework and the percentage of women in the ACs committees are lower than the existing list.
<p>For 2.1.2 (2): (ii) women represent 40% of increased labor pool of individuals who can operate agricultural machinery over the baseline (baseline: 0).</p> <p>Target 11:</p>	<ul style="list-style-type: none"> • The activities under 2.1.2 are pending approval of the Annual Work Plan 2021 by MEF 	

<p>2.1.3 (i) Number and type of activities conducted <i>to strengthen linkages between women-led and/or owned farms/enterprises* and agribusiness industry</i></p> <p>*For support provided to cooperatives: preferential support will be given to agricultural cooperatives with a majority of female members.</p> <p>Target 12: On track</p>	<ul style="list-style-type: none"> • The activities post phone for next month 	<ul style="list-style-type: none"> •
<p>2.1.3 (ii) at least 8,000 women farmers (or 50% of total women farmers trained) are SRP compliant with direct links to millers and exporters</p> <p>Target 13: On track</p>	<ul style="list-style-type: none"> • In September 2021, CS2 component and PPIU conducted Training on SRP to farmers as following: <ul style="list-style-type: none"> - 120 farmers trained on SRP compliant in Takeo province with total 79 females or 66% - 120 farmers trained on SRP compliant in Kampot province (74 females or 62%). In sum total 240 farmers (153 females or 64%) • In September 2021, GFP in: <ul style="list-style-type: none"> - Tbong Khmum conducted 2 training to famers at field school demonstration on SRP sustainable rice production to the green ACs at Kork Srok village, Kork Srok commune, Tambor district with total 30 participants (5 females or 17%) and training on SRP rice production in Trapeang Sra Nge village, Kork Srok commune, Tambor district with total 20 farmers (12 females or 60%). In total 50 participants (17 female or 34%) - Takeo province conducted 6 training on SRP to farmers with total 180 farmers (118 female or 66%). <p>In sum total 230 farmers (135 Females or 59%).</p>	<ul style="list-style-type: none"> • The TOT training has been delayed due to COVID-19 in the communities and Less than 10 person allowed to join in the meeting, training and others activities.
<p>2.1.4 Practical solutions identified and integrated in the project to address burden of household and care work for women farmers,</p>	<ul style="list-style-type: none"> • The activities are pending approval of the Annual Work Plan 2021 by ADB and MEF. 	<p>2.1.4 Is gaining increasing momentum from high-ranking officials at both capital as well as provincial levels, pushing the agenda forward.</p>

<p>especially female headed households, which prevents them to increasingly participate and move up along the value chains.</p> <p>Action 3:</p>		<ul style="list-style-type: none"> • The progress of policies study and formulation is pending due to slow progress in TOR reviewing and comments back from the ADB.
<p>2.2.1. 25% at national level and 20% at local levels women participants (aggregate basis) <i>in capacity building with regard to climate-friendly agribusiness value chains – women staff should be prioritized for training</i></p> <p>Target 14: Ongoing</p>	<ul style="list-style-type: none"> • In July 2021, CS2 components conducted TOT training to PPIU staff with different topics as the following: <ul style="list-style-type: none"> - 8 TOT training on SRP to 16 PPIU staff of target province. - 4 TOT training on Farm Machinery to 28 PPIU staff of target province - 6 TOT training on CamGAP to 12 PPIU staff of target province - 4 TOT training on Business Skills Development to 40 PPIU staff. In sum total 96 staff's participants (24 female or 25%) is in the 4 TOTs of the 4 target provinces at the provincial level. • CS2 component conducted TOT on ACs Leadership and Management with total 12 (1 female or 8 %) at the provincial level. 	<ul style="list-style-type: none"> • Female participants in the TOT less than target set due to using the existing list.
<p>Output 3: Enabling environment for climate friendly agribusiness enhanced</p>		
<p>3.1.1 Report prepared with clear recommendations based on detailed gender analysis of the 4 value chains.</p> <p>Target 15: Ongoing</p>	<ul style="list-style-type: none"> • In progress, established by: • Monthly GAP monitoring reports from the field (starting March 2021, every month). • Bi-annual, quarter, Gender specific report, based on meetings and consultations with GFPs, IGS/NGS, specialists, other Ministerial anchors and beneficiaries, in particular ACs and WFNs. • In September 16-17, 2021, NGS joint mission for public consultation meeting with safe guard , Environment and social development and gender and commune council, villagers and PIU for Taock irrigation subproject at Srae Knong commune, Kampot with total 24 participnats (9 female or 37.50%) from 4 villages Prey Khmaom , Prey Yay, DOUNG, and Tdolk Youl 	<ul style="list-style-type: none"> • To be implemented throughout 2021 onwards

	<p>villages ,Srey Knong commune Chum Kiry district, Kampot province.</p> <ul style="list-style-type: none"> • On 20 September 2021, NGS, CS1 team (safe guard , Environment and social development and gender) joint contractor kick-off meeting for storages support selected AC for 2020 with total 9 participants (2 female or 22%). 	
<p>3.1.2 Key recommendations from gender analysis of 4 targeted value chains integrated in the Agribusiness Policy</p> <p>Action 4: Ongoing</p>	<ol style="list-style-type: none"> 1. Strategic Development plan, MAFF, 2019-2023 and the Gender Mainstreaming Policy and Strategic Framework in Agriculture, 2016-2020 MAFF and Review of the Agriculture, Forestry and Fisheries Report 2020 and implementation direction for 2021, are to be updated to reflect latest knowledge, activities and output of the Gender related work in the CFAVC, including relevant best practices and recommendations. 2. New GAP recommendation has further been discussed with ADB Manila and ADB Cambodia, as well as DTL and translation in Khmer language. 	<ul style="list-style-type: none"> • The work has started in February 2021, with the kind assistance and decision-making from Her Excellency Mrs. Hor Malin (MAFF) and Her Excellency Mrs. Chan Phaloeun (MAFF), tentatively to finish in August 2021, pending COVID-19 issues. The work is planned to be followed up in September 2021. • Waiting for ADB reply comment and approval for GAP implementation at all relevant.
<p>3.1.3. Number of sessions provided on gender equality in climate-friendly agribusiness value chains; target groups; number of people trained disaggregated by sex.</p> <p>- Integrate a session on gender equality in climate-friendly agribusiness value chains (based on gender analysis report mentioned above) into the training and awareness raising activities for relevant project stakeholders (i.e., relevant departments in MAFF, agricultural extension agents, local leaders and government officials, GCPSU and Gender Focal Points, and WFN). Target 16: Ongoing</p>	<ol style="list-style-type: none"> 1. The IGS/ NGS with the PIC/PMU prepares: <ol style="list-style-type: none"> a) The proposal for the Gender pilot trainings due to the Covid-19 disruption, using remote and online tools, for Gender Mainstreaming and Child Protection and development in agriculture at local level with: <ol style="list-style-type: none"> 1. List of ACs to be pilot tested. 2. Tentative schedule for a 1-day training. 3. Materials needed for the pilot tests and 4. Budget and cost estimate for tests. b) Gender questionnaire Training Needs Assessments (TNA) checklist for GFPs and PPIU staff, ACs /WFn beneficiaries and construction follow up with translation from English to Khmer. c) Draft guidelines for the Gender Action Plan (GAP) Implementation (A Gender Responsive Approach to Climate- Smart Agriculture). d) Draft Gender Training Handout e) Draft Gender Training Manual 	<ul style="list-style-type: none"> • The proposed workplan and budget have been sent to the TL for submission to ADB for review and approval. Waiting for budgets implementations at community level.

<p>3.1.4 MAFF GCPSU, the sub-national Gender Focal Points (Province, District, Commune), the AC and the WFN are well aware of the GAP activities by actively involve them as key partners in project implementation and monitoring, especially for the GAP activities.</p> <p>Action 5: Ongoing</p>	<ul style="list-style-type: none"> • GFPs/ ACs/ WFNs in the 4 target provinces are well aware about Gender related to GAP and the actively involved in trainings for Gender Mainstreaming, Child Protection and development of the Gender Responsive Approach to Climate-Smart Agriculture. Further to this, the GFPs must have increased skill knowledge and attitude on the common GAP communications strategy. • On September 3, 2021, PPIU staff and GFP conducted raising awareness disseminated on gender mainstreaming and child protection to farmers in Trea commune, Krouch Chhmar district with a total 22 participants (15 females or 68%). 	<ul style="list-style-type: none"> • GFPs from all provinces are complaining about increased workloads, lack of skills, knowledge and abilities for implementing the work and raise issues with time constraints. • Many also state that locations to visit are too far away from Provincial centers, and lack adequate transportation.
<p>3.2.1. (i) Number and type of activities conducted on raising awareness among women farmers/ cooperative members, women-led and/or owned enterprises, and female staff in financial institutions using adequate channels about existing credit facilities, green financing including crop insurance and required formalities to access these</p> <p>Target 17: Not yet implemented, only just launched</p>	<ul style="list-style-type: none"> • CS 2 (NK-5 – Green Financing Specialist) appointed, and is awaiting approval from the PRC (MAFF) on 20th February 2021 	
<p>3.2.1 (ii) types of communication channels and materials used to raise awareness about existing credit facilities, green financing including crop insurance and required formalities to access to these</p> <p>Action 6: Not yet implemented</p>		<p>Nothing to report</p>

3.2.1 (iii) 15 female staff in financial institutions trained in CSA lending and green finance (or 30% of total staff trained are women) Target 18: Not yet implemented		Nothing to report
3.2.1 (iv) 10 or 30% of total privately-owned enterprises trained) women-led and/or owned enterprises trained on green finance and CSA Target 19: Not yet implemented		Nothing to report
3.2.1 (iii) 20,000 women provided with information on climate risk sharing instruments Target 20: Not yet implemented		Nothing to report
Project management gender related activities		
PMU to appoint safeguards officer to be also responsible and accountable for gender, who will closely liaise with representatives from the MAFF GCPSU at national level and from WFN, Agricultural Cooperatives and gender focal points at provincial levels. Action 7: Ongoing	<ul style="list-style-type: none"> • A PMU Safeguard officer responsible for Gender is appointed who liaise with GFPs and other relevant staff in the provinces 	
Prepare annual work plans to implement the activities of the GAP. Action 8: Ongoing	<ul style="list-style-type: none"> • NGS/IGS have made workplan for 2021 GAP and this plan is listed in the Annual Report 2020, as table 1. 	

<p>Gender consultants (national and international) to be recruited and build capacity of the GCPSU and gender focal points and PMU staff in gender analysis and mainstreaming, and support GAP implementation, monitoring and reporting.</p> <p>Action 9: Ongoing</p>	<ul style="list-style-type: none"> • Ongoing, the NGS and IGS are mobilized, both present in Cambodia. Several activities to be implemented in 2021 onwards; <ol style="list-style-type: none"> 1) Monthly, Bi-annual and annual reports, 2) Support to newly established M/E unit (from March 2021), 3) Gender and Value Chain analysis study/survey. Concept note final by the gender team and discussed with PIC/PMU. Concept note will form basis for ToR. 4) Consultations, trainings, stakeholder meetings etc., 5) Comprehensive Communications strategy to be built, and implemented in all four target provinces, 6) Ensuring Gender Mainstreaming policy frameworks reflect work from the project including consultations with key Governmental anchors, decision-makers etc. 7) Prepare annually work plans and budget plan to implement the GAP activities, 8) Build capacity of the gender focal points, the PMU and provincial implementing unit staff as well as the MAFF GCPSU, in gender analysis and mainstreaming, and support GAP implementation, monitoring and reporting 9) Invite and encourage GFPs at province-level from MAFF, MOWRAM, MRD to attend training /workshops for capacity building and training of trainers; 	<ul style="list-style-type: none"> • Due to COVID pandemic meeting / training will work online or zoom to make sure that all GFP be able and confident with their work and GAP set.
<p>Collect and analyze data disaggregated by sex where relevant and integrate gender sensitive indicators (from DMF and GAP) in the PPMS.</p> <p>Action 10: Ongoing</p>	<ul style="list-style-type: none"> • DMF and PPMS to be improved with new M/E system, data collection, including forms used. A separate meeting with the new M&E team in CFAVCS took place in May in order to start to establish M&E modalities with specific focus on Gender. Follow-up meetings with M&E took place in June and July. This is work in progress and will continue in the coming months until a satisfactory level at central level is met, after which further trainings/upgrades can take place at provincial level with GFPs. 	
<p>Ensure regular monitoring and reporting (at least semi-annually to ADB) on the progress of GAP implementation.</p>	<ol style="list-style-type: none"> 1. Establish monthly GAP reports 2. Collect data and summary the target and activities that GFPs implement, from all 4-target province. 	

Action 11:	3. Follow and support GFPs to implement the modalities of the GAP	
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Comments/ Remarks:

1. It is suggested that the project accelerate the construction of a bio-digester Compose Huts, provide a demonstration of mango cultivation by drip irrigation system, provide laser tillage of farmland before the rains, and provide financial equipment for timely demonstration of rice seed production.
2. Drought makes it difficult to implement rice shows (Tram Kak and Bati districts Takeo province)

Accomplished by: _____

Date Accomplished: _____

Annex 13. Compliance with Covenants

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
	Sector						
		Loan 3661	Schedule 4	4	1. In the carrying out of the Project and operation of the Project facilities, the Borrower shall perform, or cause to be performed, all obligations set forth in Schedule 5 of this Loan Agreement	Being complied	
	Sector	Loan 3661	Schedule 5	15	Subproject selection. The Borrower shall ensure, or cause the Project Executing Agency to ensure, that all Subprojects selected for financing under the Project meet the screening, eligibility and approval criteria as agreed between the Borrower and ADB and documented in Annex 1 (Implementation Procedures) of the PAM.	Being complied with	
	Sector	Grant 0579	Sched 2	6	The Recipient shall ensure that the activities related to the Project are implemented in compliance with the laws of the Recipient and other laws applicable to it, including but not limited to intellectual property law, if and to the extent any such laws maybe applicable to it.	Being complied	
	Financial						
		Loan 3661	Schedule 5	13	Counterpart Support. The Borrower shall ensure that counterpart support necessary for the Project is provided on a timely basis.	Being Complied	
1		Loan 3661	Schedule 5	14	The Borrower shall ensure that all completed Subprojects have adequate funds for operation and maintenance allocated to them on a yearly basis and made available on a timely basis. The Borrower shall further ensure that the farmer water user communities and water use groups collect irrigation service fees to sustain the operation and maintenance of distribution canals in accordance with the Borrower's decree on farmer water user communities.	To be complied with	Not due yet
2		Loan 8346	Schedule 4	4	4. The Borrower shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Being Complied with	Inception mission verified office equipment and

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
							goods delivered to EA/IAs
3		Loan 8346	Schedule 4	4	3. ADB's obligation to disburse any amount from the Loan Account shall be subject to ADB's receipt of a corresponding amount from GCF in accordance with the terms of the AMA and the FAA.	Comply	Agreed.
4		Loan 8346	Schedule 4	4	2(c) The Borrower shall enable ADB, upon ADB's request to discuss the financial statements for the Project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a), (iii) herein above, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower, unless the Borrower shall otherwise agree.	Being Complied with	Second Financial Audit for the year 2020 was conducted in March 2021. Report has been submitted to ADB in June 2021.
		Loan 8346	Schedule 4	4	1. In the carrying out of the Project and operation of the Project facilities, the Borrower shall perform, or cause to be performed, all obligations set forth in the Ordinary Operations [Concessional] Loan Agreement.	Being complied with	
5		Loan 8346	Schedule 4	4	2(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Being Complied with	
6		Loan 8346	Schedule 4	4	2(a) The Borrower shall cause the Project Executing Agency to (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Loan proceeds and a	Being Complied with	Being complied. Separate accounts established. 1st annual audited project financial statement reports for FY 2018 submitted in June 2020.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
					management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.		
7		Loan 8346	Schedule 4	5	5(c) Without limiting the generality of the foregoing, the Borrower shall furnish to ADB periodic reports on the execution of the Project, on the accomplishment of the targets and actions agreed between ADB and the Borrower, and on the operation and management of the Project facilities. Such reports shall be submitted in such form and in such detail and within such a period as ADB shall reasonably request, and shall indicate, among other things, progress made and problems encountered during the period under review, steps taken or proposed to be taken to remedy these problems, and proposed program of activities and expected Progress during the following period.	Being complied with	Progress reports have been submitted every quarter
8		Loan 8346	Schedule 4	5	9. Contractors and Consultants. In the carrying out of the Project, the Borrower shall cause competent and qualified consultants and contractors, acceptable to the Borrower and ADB, to be employed to an extent and upon terms and conditions satisfactory to the Borrower and ADB.	Being Complied	Some CS2 non key experts still not mobilized.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
9		Loan 8346	Schedule 4	5	5. Reports. (a) The Borrower shall furnish, or cause to be furnished, to ADB all such reports as ADB shall reasonably request concerning (i) the Loan, and the expenditure of the proceeds and maintenance of the service thereof; (ii) the goods, services and other items of expenditure financed out of the proceeds of the Loan; (iii) the Project and the Project Executing Agency; (iv) the administration, operations and financial condition of the Borrower; and (v) any other matters relating to the purposes of the Loan.	Being Complied	Being complied with. Final inception report was submitted to ADB on 15 Feb 2020. Progress reports have been submitted every quarter.
10		Loan 8346	Schedule 4	5	3(b) Without limiting the generality of the foregoing, the Borrower undertakes to insure, or cause to be insured, the goods to be imported for the Project and to be financed out of the proceeds of the Loan against hazards incident to the acquisition, transportation and delivery thereof to the place of use or installation, and for such insurance any indemnity shall be payable in a currency freely usable to replace or repair such goods.	Comply	Being complied.
11		Loan 8346	Schedule 4	5	2. Negative Pledge. (a) If the Borrower shall create or permit the creation of any lien on any of its assets as security for any foreign currency debt, the Borrower undertakes to expressly provide that such lien will ipso facto equally and ratably secure the payment of the principal of, and service charge on, the Loan. If any statutory lien shall be created on any assets of the Borrower (as hereinafter defined), as security for any foreign currency debt, the Borrower shall grant to ADB an equivalent lien satisfactory to ADB.	Comply	Agreed
12		Loan 8346	Schedule 4	5	(b) The Borrower shall afford all reasonable opportunity for ADB's representatives to visit any part of its territory for purposes related to the Loan.	Complied with	Agreed.
13		Loan 8346	Schedule 4	5	2.b. The provisions of paragraph (a) of this Section shall not apply to (i) any lien created on property, at the time of purchase thereof, solely as security for payment of the purchase price of such property; or (ii) any lien arising in the ordinary course of banking	Comply	Agreed.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
					transactions and securing a debt maturing not more than one year after its date.		
14		Loan 8346	Schedule 4	5	3. Insurance. (a) The Borrower shall take out and maintain with responsible insurers, or make other arrangements satisfactory to ADB for, insurance against such risks and in such amounts as shall be consistent with sound practice. The Borrower shall be deemed to have opted for self- insurance in the absence of any specific insurance for the Project.	Comply	Being complied.
15		Loan 8346	Schedule 4	5	2.c. The term "assets of the Borrower" as used in paragraph (a) of this Section includes assets of any political subdivision or any agency of the Borrower and assets of any agency of such political subdivision, and assets of any entity owned or controlled by, or operating for the account or benefit of, the Borrower or any such political subdivision or agency, including any other institution performing the functions of a central bank for the Borrower.	Comply	Agreed.
16		Loan 8346	Schedule 4	5	5(b) The Borrower shall promptly inform ADB of any condition which interferes with, or threatens to interfere with, the progress of the Project, the performance of their respective obligations under the Loan Agreement, the accomplishment of the purposes of the Loan, or the maintenance of the service thereof; and the Borrower shall promptly inform ADB in advance of any proposed changes in the ownership or control of the Borrower or its assets, or any transaction or arrangement which will have or is likely to have such effect.	Being Complied	Issues on ponds were raised and discussed in the PSC conducted on 28 Jan2020. Minutes of meeting will be forwarded to the Minister of MAFF for further actions. Still no decision.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
17		Loan 8346	Schedule 4	5	8(b) The Borrower shall ensure that the activities of its departments and agencies with respect to the carrying out of the Project and operation of the Project facilities are conducted and coordinated in accordance with sound Administrative policies and procedures.	Being Complied with	
18		Loan 8346	Schedule 4	5	8. General Undertakings. (a) The Borrower shall cause the Project to be carried out with due diligence and efficiency and in conformity with sound financial, business and development practices. The Borrower shall in collaboration with ADB ensure that the Project adheres to ADB policies on anticorruption, core labor standards, environmental and social safeguards, gender, procurement and consulting services, disbursement and such other policy specified in the Loan Agreement.	Being Complied	Being complied.
19		Loan 8346	Schedule 4	5	7. Work Schedules, Plans and Design Standards. The Borrower shall cause the Project to be carried out in accordance with plans, design standards, specifications, work schedules and construction methods acceptable to the Borrower and ADB, as applicable. When required by ADB, the Borrower shall furnish, or cause to be furnished, to ADB, promptly after their preparation, such plans, design standards, specifications and work schedules, and any material modifications subsequently made therein, in such detail as ADB shall reasonably request.	Being Complied	AWP 2021 (draft) submitted to the ADB for their re-review.
20		Loan 8346	Schedule 4	5	6. Counterpart Obligations and Land Acquisition. The Borrower shall make available, promptly as and when needed, the funds, facilities, services, land, and other resources as shall be necessary or required, in addition to the proceeds of the Loan, for the carrying out of the Project and for the operation and maintenance of the Project facilities. The Borrower shall furnish to ADB, promptly at its request, evidence satisfactory to ADB that such funds, facilities, services, land, and other resources are available for purposes related to the Project.	Being Complied	To be complied.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
21		Loan 8346	Schedule 4	5	5(d) Promptly after completion of the Project, but in any event not later than three months thereafter or such later date as may be agreed for this purpose between the Borrower and ADB, the Borrower shall prepare and furnish to ADB a report, in such form and in such detail as ADB shall reasonably request, on the execution and initial operation of the Project, including its cost, the performance by the Borrower of its obligations under this Loan Agreement and the accomplishment of the purposes of the Loan.	To be complied	To be complied.
22		Loan 8346	Schedule 4	5	4. Records, Financial Statements and Audits. The Borrower shall maintain, or cause to be maintained, records and financial statements adequate to identify the goods, services and other items of expenditure financed under the Project; to record the progress of the Project (including the cost thereof and); to reflect, in accordance with consistently maintained sound financial reporting principles, the operations and financial condition of the Project; and to have the financial statements audited. Related requirements shall be specified in the Loan Agreement.	Being Complied	1st annual audited project financial statement reports for FY 2018 issued in June 2020
23		Loan 8346	Schedule 4	5	10. Maintenance. The Borrower shall ensure that any facilities relevant to the Project are operated, maintained and repaired in accordance with sound operational and maintenance practices. The Borrower shall promptly as needed, make or cause to be made all necessary repairs and renewals thereof.	To be Complied	To be complied.
24		Grant 0579	Schedule 2	2	Without limiting the generality of Section 5.01(a) of the Grant Regulations, the Recipient shall refund, or procure and refund, any unused Grant proceeds to ADB, and shall impose similar refund requirements on its counterparties involved in the Project.	To be complied	Agreed.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
25		Grant 0579	Schedule 2	4	In addition to the audit requirement under Section 4.02 of this Grant Agreement, the Recipient acknowledges and agrees that ADB has the right to conduct financial audits of the Project, by an external auditor selected by ADB, if GCF has a concern as to the manner in which the Grant proceeds have been used; and shall fully cooperate with such audit. The Recipient shall bear the reasonable cost of such audit, if the audit finds that the Grant proceeds have not been used according to this Grant Agreement.	Being Complied	Agreed.
26	Sector	Grant 0579	Sched 2	6	The Recipient shall ensure that the activities related to the Project are implemented in compliance with the laws of the Recipient and other laws applicable to it, including but not limited to intellectual property law, if and to the extent any such laws maybe applicable to it.	Being complied	
27	Financial	Grant 0579	Schedule 4	1	In the carrying out of the Project and operation of the Project facilities, the Recipient shall perform, or cause to be performed, all obligations set forth in Schedule 2 to this Grant Agreement and Schedule 5 to the Ordinary Operations [Concessional] Loan Agreement.	Being Complied	
28		Grant 0579	Schedule 4	2	(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	To be complied with	1st annual audited project financial statement reports for FY 2018 deferred for submission in June 2020.
29		Grant 0579	Schedule 4	2	(a) The Recipient shall cause the Project Executing Agency to (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors	Being Complied	Being complied. Separate accounts established. 1st annual audited

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
					whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Grant proceeds, and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning		project financial statements report for FY 2018 submitted in June 2020.
30		Grant 0579	Schedule 4	2	(c) The Recipient shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and the Recipient's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) herein above, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Recipient, unless the Recipient shall otherwise agree.	Being Complied	1st annual audited project financial statements report for 1 Oct 2018 to 31 Dec 2019 submitted in Jun 2020.
31		Grant 0579	Schedule 4	4	The Recipient shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Being Complied	Inception mission verified office equipment and goods delivered to EA/IAS
32		Grant 0579	Schedule 4	4	The Recipient acknowledges and agrees that this Grant Agreement is entered into by ADB, not in its individual capacity, but as trustee of GCF. Accordingly, the Recipient agrees that (a) it may only withdraw Grant proceeds to the extent that ADB has received proceeds for the Grant from GCF, and (b) that ADB does not assume any obligations or responsibilities of GCF in respect of the Project or the Grant	Being Complied	Confirmed.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
					other than those set out in this Grant Agreement.		
	Safeguards						
33	Safeguards	Loan A661	Schedule 5	2	Environment. The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project, each Subproject and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE, EMP, and any corrective or preventative actions set forth in a Safeguard Monitoring Report. The Borrower shall ensure that no Subproject categorized as Category A under the SPS is financed under the Project.	being complied	
34		Loan 3661	Schedule 5	3	Land Acquisition and Involuntary Resettlement. The Borrower shall ensure that all land and all rights-of- way required for the Project, each Subproject and all Project facilities are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) Involuntary Resettlement Safeguards; (c) the RF; and (d) all measures and requirements set forth in the respective RP, and any corrective or preventative actions set forth in a Safeguard Monitoring Report. The Borrower shall ensure that no Subproject categorized as Category A under the SPS is financed under the Project.	being complied	In 2020, the ADB recruited a Third Party to verify the land donations for the Category C irrigation scheme Trapeang Run. For AWP 2021 are the arrangements still not sure how this third-party verification will be arranged. There are no category A

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
							subprojects included in the project.
35	Safeguards	Loan 3661	Schedule 5	4	Without limiting the application of the Involuntary Resettlement Safeguards, the RF or the RP, the Borrower shall ensure that no physical or economic displacement takes place in connection with the Subprojects until: (a) compensation and other entitlements have been provided to affected people in accordance with the RP; and (b) a comprehensive income and livelihood restoration program has been established in accordance with the RP.	Being complied	First package under advance action was put on hold until the project implementation consulting firm revisited the site and validate that there is minimal acquisition of land and no displacement of any structures.
36	Safeguards	Loan 3661	Schedule 5	5	Indigenous Peoples. The Borrower shall ensure that the preparation, design, construction, implementation and operation of the Project, each Subproject and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to indigenous people; (b) the Indigenous Peoples Safeguards; (c) the EMDF; and (d) all measures and requirements set forth in the respective IPP, and any corrective or preventative actions set forth in a Safeguards	Being complied with	There are no category A subprojects included in the project.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
					Monitoring Report. The Borrower shall ensure that no Subproject categorized as Category A under the SPS is financed Project.		
37	Safeguards	Loan 3661	Schedule 5	6	Human and Financial Resources to Implement Safeguards Requirements. The Borrower shall make available necessary budgetary and human resources to fully implement any EMP, RP and IPP.	Being complied	
38	Safeguards	Loan 3661	Schedule 5	7	Safeguards - Related Provisions in Bidding Documents and Works Contracts. The Borrower shall ensure that all bidding documents and contract for works contain provisions that require contractors to: comply with the measures and requirements relevant to the contractor set forth in the IEEs, the EMPs, the RPs and the IPPs (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguard Monitoring Report; make available a budget for all such environmental and social measures; provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs, the RPs and the IPPs; adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	Being Complied	First invitation for bids for civil works have been issued in April 2020.

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
39	Safeguards	Loan 3661	Schedule 5	8	Safeguard Monitoring and Reporting. The Borrower shall do the following: submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs, the RPs, and the IPPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the even and proposed corrective action plan in accordance with the SPS; and report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs, the RPs or the IPPs promptly after becoming aware of the breach.	To be complied with	Was issued in September 2020
40	Safeguards	Loan 3661	Schedule 5	9	Prohibited List of Investments. The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Being Complied	
41	Safeguards	Loan 3661	Schedule 5	10	Labor Standards, Health and Safety. The Borrower shall ensure that the core labor standards and the Borrower's applicable laws and regulations are complied with during Project implementation. The Borrower shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among others, (a) comply with all applicable labor laws and regulations of the Borrower; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; and (f) disseminate information on the risks of sexually Z transmitted diseases, including HIV/AIDS, to the employees of	Being Complied	

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
					contractors engaged under the Project and to members of the local communities surrounding the Project areas, particularly women.		
42	Safeguards	Loan 3661	Schedule 5	11	The Borrower shall strictly monitor compliance with the requirements set forth in this paragraph and provide ADB with regular reports.	Being Complied	Being complied.
		Loan 3661	5	12	Gender and Development. The Borrower shall ensure that the (a) GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measure set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; and (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets are regularly monitored and reported to ADB.	Being Complied with	First gender orientation meeting was conducted in July 2020
	Governance and anti-corruption						
43		Loan 3661	Schedule 5	16	Governance and Anticorruption. The Borrower shall (a) comply with ADB's anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.	Being Complied	
44		Loan 3661	Schedule 5	17	The Borrower shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing agency and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Being Complied	

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
45		Loan 3661	Schedule 5	18	The Borrower shall disclose, through its website, accessible by general public, information about various matters concerning the Project, including general Project information, procurement, Project progress, and contact details in the English and Cambodian languages, as applicable. The website shall also provide a link to ADB's integrity office for reporting to ADB any grievances or allegations of corrupt practices arising out of the Project and Project activities. With regard to procurement, the website shall include: (a) the list of participating bidders; (b) the name of the winning bidder; (c) the amount of the contracts awarded; (d) basic details on bidding procedures adopted; and (e) the lists of goods, works and services procured	Being Complied	
46		Grant 0579	Schedule 2	1	The Recipient acknowledges and agrees that the Recipient has no right of action, whether in contract, nor or under statute to the extent permitted by law, against GCF in respect of the ADB Green Climate Fund, the Project or any loss or damage arising out of ADB's acts or omissions, or the acts of omissions of its officers, employees, agents or consultants under, or in connection with, this Grant Agreement.	Being Complied	
47		Grant 0579	Schedule 2	3	The Recipient shall fully cooperate with ADB regarding any reviews, ad hoc checks, verifications or evaluations by GCF	Being Complied with.	
48		Grant 0579	Schedule 2	5	The Recipient shall ensure that all necessary and applicable licenses, approvals and consents, including those relating to intellectual property, to implement and carry out the Project and operate the Project facilities are valid for the duration of the Project.	To be complied	

No	Covenant	Loan Agreement Reference				Compliance Status (As per 30.06.2020)	Remarks/Issues
		Product	Schedule	Para No.	Description		
49		Grant 0579	Schedule 2	7	The Recipient shall endeavor to acknowledge the visual identity of GCF in funding the Project (e.g., through use of the GCF logo, in accordance with GCF's branding guidelines, and appropriate references in reports, publications, information given to beneficiaries and news media, related publicity materials and any other forms of public information and the displaying of the GCF logo on the site of any infrastructure works). Any branding activities in support of GCF shall comply with GCF's branding guidelines and be and reviewed by the GCF Secretariat.	Being Complied	
	Others						
50		Loan 3661	Schedule 5	1	Implementation arrangements. The Borrower shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM shall become effective only after approval of such change by the Borrower and ADB. In the event of any discrepancy between the PAM and this Loan Agreement, the provisions of this Loan Agreement shall prevail	To be complied with	

Annex 14. Financial Management Plan.

Weakness	Mitigation Action	Responsibility	Timeframe	Status as per 30 June 2021
<ul style="list-style-type: none"> Coordination among PMU of MAFF as EA and IAs: PDAFF, PDWRAM, PDRD, and others 	<ul style="list-style-type: none"> Clear roles and responsibilities are detailed in PAM. EA and IAs are well informed about their roles and responsibilities by ADB and PIC. 	EA/PMU/MEF	One month after Loan Negotiation.	Done
<ul style="list-style-type: none"> Limited capacity of the project staff at the PMU/PPIU on budget execution, accounting, reporting and auditing. 	<ul style="list-style-type: none"> Four national Financial Management Specialists will be recruited to provide financial management support to the PMU. In collaboration with CARM, they will train accountants of EA/IA on budget execution, accounting, reporting, and auditing. Training on project management, financial management, SOP and project fund flows shall be provided to the project staff in EA and IAs. Training on ADB disbursement procedures, including online training, will be made available to EA and IA staff; and project staff will be encouraged to undertake the training to help ensure efficient disbursement and fiduciary control. 	MAFF / PMU / PIC	Starting 3 months from project effectiveness and will be a continuing activity to ensure staff are updated of the latest good practice.	<p>Done</p> <ul style="list-style-type: none"> Ongoing twice per year, refresher training Ongoing twice per year, refresher training.
<ul style="list-style-type: none"> Safeguard of vehicles, motorcycles, equipment for workshops, laboratory, and solar power 	<ul style="list-style-type: none"> Inventory List must be set up with accountability. A sound inventory management is required via trainings for IAs. 	PMU/PIC	3 months from the mobilization of the PIC.	<p>Done</p> <p>Done</p>
<ul style="list-style-type: none"> Most proposed IAs/PPIUs do not have accounting system to record financial transactions and prepare the required financial reports. 	<ul style="list-style-type: none"> The accounting system shall be set up and training will be provided for the project accountants at PPIUs/IAs 	PMU/PIC	3 months from the mobilization of the PIC.	Done

Weakness	Mitigation Action	Responsibility	Timeframe	Status as per 30 June 2021
<ul style="list-style-type: none"> Limited capacity in internal audit. Quality of both internal and external audit reports remains a concern. 	<ul style="list-style-type: none"> MEF will ensure that each IA will include qualified accountants and auditors, and ensure that the project is subject to internal audit to ensure that the Internal Audit Unit of each IA carries out regular reviews of the internal control processes. Regular training on audit will be provided. 	MEF/ADB	By end of Year 1.	<ul style="list-style-type: none"> MEF recruits external auditor on annual basis MEF conducts Audit training to the project staffs on Annual basis
<ul style="list-style-type: none"> Delays and incomplete submission of the unaudited annual project financial statements 	<ul style="list-style-type: none"> EA and IAs staff will be trained in preparing and submitting quality reports of annual project financial statements on a timely basis. MEF to update the TOR for auditors and explore potential participation of supreme audit institution to further improve quality. 	MEF/ADB	By the 9th month from the project effectiveness.	<ul style="list-style-type: none"> MEF or ADB conducts ad hoc trainings on specific topic for project financial staff annually, Done MEF does update annually

ADB=Asian Development Bank; EA = executing agency; IA= implementing agency; MAFF = Ministry of Agriculture, Forestry and Fisheries; MEF = Ministry of Economy and Finance; MOWRAM = Ministry of Water Resources and Meteorology; PIC = project implementation consultants; PDAFF = Provincial Department of Agriculture, Forestry and Fisheries; PDWRAM = Provincial Department of Water Resources and Meteorology; PDRD = Provincial Department of Rural Development; PMU= project management unit; PPIU = provincial project management implementation unit; TOR = terms of reference.

Annex 15. Work plan for coming 3 months

Annex 15.1. MAFF

No.	Subproject #	Activities	Times Planning	
			Start	Complete
CW19a (split from CW19)	Installation and commissioning of 500 biodigesters and 250 compost huts* Lot 1: Tbong Khmum Lot 2: Kampong Cham Lot 3: Takeo Lot 4: Kampot	Award of work contract	Q4-2021	(NCB) Q4-2022
		Implementation of work contract	Q4-2021	
CS4 (2020)	ICT(Including: Infrastructure, Software development, training, workshops and demonstrations, consultants, office operations and support costs)	Award of work contract	Q4-2021	(QCBS) Q3-2024
		Implementation of work contract	Q4-2021	

Annex 15.2. CS2 Planned activity

No	Activities & events	Date (DD/MM/21)	Province names		Implementers names	Total participants		Remarks
			Province	# Course		Total	Female	
Training of Trainers (ToT)								
1	ToT on CSA practice for National team	Oct-Nov 21	TAK	1	GDA	16	5	
2	ToT on CSA practice for provincial team (1)		TAK	1	PPIU	8	3	
3	ToT on CSA practice for provincial team (2)	Oct-Nov 21	KCM	1	PPIU	8	3	
Training of Farmers on CSA practice and technologies								
1	Training of Farmers on CSA	Oct-Dec 2021	TAK, KPT, KCM, TBK	100	PPIUs	2500	750	
2	Training of Farmers on SRP	Oct-Dec 2021	TAK, KPT, KCM, TBK	150	PPIUs	3750	1,125	
3	Training of Farmers on CAMGAP for Mango	Oct-Dec 2021	TAK, KPT, KCM, TBK	20	DSPS/PPIU	500	150	
4	Training of Farmers on Farm Mechanization and Conservation Agriculture	Oct-Dec 2021	TAK, KPT, KCM, TBK	30	DAENg/PPIU	750	225	
5	Training of Farmers on Business Development Skills	Oct-Dec 2021	TAK, KPT, KCM, TBK	48	PPIUs	1200	360	
6	Training of FWUC representative and members	Oct-Dec 2021	TAK, KPT, KCM, TBK	51	DFWUC/ PPIUs	1275	383	
No	Activities & events	Date (DD/MM/21)	Province names		Implementers names	Total participants		Marks
			Province	# Course		Total	Female	
Activity 1.5: Promoting renewable energy (bio digester and use of solar energy) in target cooperative for value chain improvement								

1	Training and capacity building	Oct-Dec 2021	TAK, KPT, KCM, TBK	38	PPIUs	570	170	
2	Promoting and marketing	Oct-Dec 2021	TAK, KPT, KCM, TBK	269	PPIUs	4035	1210	
3	Monitoring and Evaluation	Oct-Dec 2021	TAK, KPT, KCM, TBK	35	PPIUs	525	158	
4	Innovation and VC improvement	Oct-Dec 2021	TAK, KPT, KCM, TBK	31	PPIUs	465	140	
5	Technical Working Group meeting on policy	Oct-Dec 2021	TBC	3	PMU/GDAHP	36	10	
6	Meeting with technical working group	Oct-Dec 2021	TBC	12	GDAHP	144	43	
No	Events' topics	Date (DD/MM/21)	Province		Implementer name	Total Participants		Remark
			Province	# Course		Total	Female	
1	Review PPP-framework	Oct-Dec 2021	PP	2	CS ₂ /DoPS			
2	PPP feasibility studies	Oct-Dec 2012	KPT, TAK, TBK & KCM	2	CS ₂ /DoPS			
3	Meeting with AC to establish rice producer group links with rice millers (40 groups)	Oct-Dec 2021	KPT, TAK, TBK & KCM	40	PPIUs	1,200	600	
4	Meeting with AC to establish Cassava, maize, and mango group links with traders (15 groups)	Oct-Dec 2021	KPT, TAK, TBK & KCM	15	PPIUs	360	180	
5	Provincial Strategic crop consultation forum arrangement	Oct-Dec 2021	KPT, TAK, TBK & KCM	5	PMU/PPIUs	250	75	
6	Review an assessment report and select potential ACs for target year of 2022	Oct-Dec 2021	KPT, TAK, TBK & KCM	25	PPIUs/CS ₂			
7	Official signing ceremony on agreement between AC and selected private sectors	Oct-Dec 2021	PP	1	PMU/DoAI	30	9	
No	Events' topics	Date (DD/MM/21)	Province		Implementer name	Total Participants		Remark
			Province	# Course		Total	Female	
1	Lab-renovation and green house design; preparing bidding document	Oct-Dec 2022	PP		NAL/GDA			
2	Laboratory reconfiguration & equipment assessment; preparing bidding document	Oct-Dec 2021	PP		NAL/GDA			
3	Prepare document on single select for NAL staff training on plant tissue culture development;	Oct-Dec 2021	PP		NAL/GDA			

	bio fertilizer and bio pesticide production and quality testing							
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Annex 15.3. MOWRAM

No.	Subproject	Activities	Times Planning	
			Start	Complete
CW13.1	MOWRAM/System Name- Trapeang Tros, Tuol Pring and Kbal Teuk, (CFAVC-MOWRAM-TBM-CW13.1)	Award of work contract	Q4 (2021)	Q3 (2022)
		Implementation of work contract	Q4 (2021)	
CW15.1	MOWRAM/System name Prey Kdouch and Kraing Ampil) (CFAVC-MOWRAM-TEO-CW15.1)	Award of work contract	Q4 (2021)	Q3 (2022)
		Implementation of work contract	Q4 (2021)	
CW14.1	MOWRAM/System name Pram Kompheak and O Kamprok) (CFAVC-MOWRAM-KPC-CW14.1)	Award of work contract	Q4 (2021)	Q4 (2022)
		Implementation of work contract	Q4 (2021)	
	FWUCs formation and O&M Implementation by CFAVC 8 FWUCs	Ongoing Progress	Q3 (2021)	Q2 (2022)

Annex 15.4. MRD

No.	Subproject #	Activities	Times Planning	
			Start	Complete
1	CW17b-CFAVC-MRD-TK3-2020 (Package-1) 2 Lots (14.670 Km)	Award of work contract	Q3-2021	
		Implementation of work contract	Q4-2021	Q1-2023
2	CW17c-CFAVC-MRD-TBK-5-2020 (Package-2) 2 Lots (21.770 Km)	Award of work contract	Q3-2021	
		Implementation of work contract	Q3-2021	Q1-2023
3	CW17d-CFAVC-MRD-KC7-01-2020 (Package-3) 2 Lots (14.603 Km)	Award of work contract	Q3-2021	
		Implementation of work contract	Q3-2021	Q1-2023
4	CW17a-CFAVC-MRD-KP-01-2020 (Package-4) 2 Lots (20.052 Km)	Award of work contract	Q4-2021	
		Implementation of work contract	Q4-2021	Q1-2023
5	Package-5 Kampot province (9.14 Km with 2 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2023
6	Package-6 Takeo province (13.15 Km with 2 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022
7	Package-7 Tbong Khmum province (16.48 Km with 3 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022
8	Package-8 Kampong Cham province (12.65 Km with 2 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022
9	Package-9 Kampot province (13.34 Km with 2 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022
10	Package-10 Takeo province (13.15 Km with 3 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022
11	Package-11 Tbong Khmum province (12.97 Km with 4 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022
12	Package-12 Kampong Cham province (13.15 Km with 2 subprojects)	Subproject's preparation, design and procure	Q4-2021	Q1-2022

Annex 16. Budget for Q4 2021

Annex 16.1. MAFF

Cost (000's US\$)

	Q4
I. INVESTMENT COSTS	-
OUTPUT 1: Activity 1.2: Upgrading agriculture cooperative value chain infrastructure (drying, processing, and storage facilities) /	-
12 X COOPERATIVE CASSAVA STORAGE (200 TON CAPACITY) - 3 in 2020, 5 units in 2021 8.1.2A 12 X	291.88
44 X COOPERATIVE GRAIN STORAGE UNITS (100 TON CAPACITY) - 12 units in 2020, 20 units in 2021 / 9.1.2A 44 X	585.83
24 X RICE SEED STORAGE UNITS (50 TON CAPACITY) - 5 units in 2020, 10 units in 2021 / 10. 1.2A 24 X	184.60
TRAINING BUILDINGS FOR PADCS /A (3 in 2021) / 11.1.3	-
MECHANISATION WORKSHOPS FOR KAMPOT, TBONG KHMUM & KAMPONG CHAM 12.1.3	57.28
OUTPUT 1: Activity 1.4: Strengthening infrastructure for agricultural quality and safety testing at the National Agriculture Laboratory (NAL) /	
NAL BIOTECHNICAL LABORATORY SUPPORT	
OUTPUT 1: Project Activity 1.5: Promoting renewable energy (bio digester and use of solar energy in target cooperatives) for value chain improvement	
RENEWABLE ENERGY FOR VALUE CHAIN IMPROVEMENT	503.93
OUTPUT 2	-
OUTPUT 2: Project Activity 2.1: Deploying climate resilient varieties	
POLICY DEVELOPMENT, STANDARDS & RESILIENT VARIETIES	18.10
OUTPUT 2: Project Activity 2.2: Strengthening capacity in climate friendly	
CAPACITY STRENGTHENING FOR CSA, AGRIBUSINESS & MECHANISATION	257.50
OUTPUT 3: Enabling environment for climate smart agribusiness enhanced	
OUTPUT 3; Project Activity 3.1: Policy Development and Standard	
POLICY DEVELOPMENT, STANDARDS & RESILIENT VARIETIES	35.65
OUTPUT3: Activity 3.2: Promoting green finance and risk sharing mechanism	
OUTPUT3: Activity 3.3: Supporting climate risk management through Information and Communication Technologies (ICT)	
GREEN FINANCE FOR CSA & AGRIBUSINESS	16.05
II. Vehicles (Pick-Up)	-
Motorcycles	-
Total PICK-UPS AND OTORCYCLES	-
III. RECURRENT COSTS /	
PROJECT MANAGEMENT UNIT	134.28
PROJECT TECHNICAL SUPPORT	755.25
TOTAL (MAFF)	2,840.35

Annex 16.2. MOWRAM

Proc. Code	Task Description	Q4
	I. INVESTMENT COSTS on CIVIL WORKs	
	DT_1: Kampot Province Irrigation Sub-projects	
	TRAPEANG RUN IRRIGATION SUBPROJECT (Carry from 2020)	131
CW2	MLECH IRRIGATION SUBPROJECT (Carry from 2020)	428
CW12-A	PREY TAKOUCH IRRIGATION SUBPROJECT (Carry from 2020)	203
CW12-B	TRAPEANG BOEUNG RESERVOIR	216
CW12-D	KANDAL IRRIGATION SYSTEM	180
CW12-E		-
	DT_1: Takeo Province Irrigation Sub-projects	-
	PREY KDOUCH IRRIGATION SUBPROJECT (Carry from 2020)	374
CW15-A	KRAIN AMPIL IRRIGATION SUBPROJECT (Carry from 2020)	134
CW15-B	CHROUK1 & PLOV TOUK CANAL	384
CW15-G	KWAENG TAYI CANAL	634
CW15-H	PREY RUMDENG CANAL	416
CW15-J		-
	DT_1: Tbong Khmum Province Irrigation Sub-projects	-
	KBAL TOEUK IRRIGATION SUBPROJECT (Carry from 2020)	274
CW13-A	TOUL PRING IRRIGATION SUBPROJECT (Carry from 2020)	247
CW13-B	TRAPEANG TROSS IRRIGATION SUBPROJECT (Carry from 2020)	274
CW13-C	TBONG DAMREI RESERVOIR	136
CW13-F	KAMPONG RAING FEEDING CANAL	61
CW13-G		-
	DT_1: Kampong Cham Province Irrigation Sub-projects	-
	PRAM KOMPHEAK IRRIGATION SUBPROJECT (Carry from 2020)	91
CW14-A	O'KAMPROK IRRIGATION SUBPROJECT (Carry from 2020)	92
CW14-B	POU TATRESS RESERVOIR	106
CW14-D	KOU EURTH RESERVOIR	216
CW14-E		-
	Subtotal construction	4,596
		-
PMO	19 FWUC Capacity Building (9 FWUC and 10 FWUC carry from 2020)	39
		-
	TOTAL CIVIL WORKS (in 2021, construction + FWUCs)	4,635
		-
	2. PMU Staff - MOWRAM	-
Govt	A. Project Management Staff - supplementary payments	12

Govt		B. Other PMU Costs	48
IOC		C. Other Vehicles for Provincial Offices	9
	0	Subtotal for Operation Costs	69
Grant Total of MOWRAM Budget 2021			4,704

Annex 16.3. MRD

Description	Q4
I. INVESTMENT COSTS	
OUPUT 1: Critical agribusiness value chain infrastructure improved and made climate resilient	
1- CIVIL WORKS* (Improving connectivity to cooperatives and markets through climate resilient farm road networks)	
a- Road construction in DBST at Takeo province 14.67 Km	244
b- Road construction in DBST at Tbong Khmum province 21.83 Km	647
c- Road construction in DBST at Kampong Cham province 14.30 Km	238
d- Road construction in DBST at Kampot province 20.10 Km	334
a- Road construction in DBST at Kampot province 40.99 Km	622
b- Road construction in DBST at Takeo province 17.45 Km	378
c- Road construction in DBST at Kampong Cham province 13.35 Km	289
d- Road construction in DBST at Tbong Khmum province 26.63 Km	577
Total Civil Works CW17	3,331
2. PROJECT MANAGEMENT UNIT	42
TOTAL FOR MRD	3,373

Note: * Civil works budget will be revised after detailed designs